

Board of Education Regular Meeting
Red Willow School District #73-0017
McCook Public Schools

Will start following the budget hearing Monday, September 12, 2022
Junior High Conference Room
800 West 7th St
McCook, NE 69001

1. Call to Order

1.1. Roll Call

Regular Board

Dennis Berry

Attendance Taken on 9/12/2022 Tom Bredvick

at 6:47 PM Loretta Hauxwell

Agenda Item: Roll Call Brad Hays

Mike Langan

Teresa Thomas

1.2. Recognition of Open Meeting Law

1.3. Pledge of Allegiance

1.4. Oath of Office - Student Board Member - Samantha Rodewald

Brad Hays and Samantha Rodewald read the oath and swearing in the office of student board member of the McCook Board of Education.

2. Reports, Communications & Public Participation

2.1. Board accepts public comments

No public comments

3. Consent Agenda

3.1. Approve the consent agenda which includes the minutes and financials

I move to approve the consent agenda which includes the minutes, and financials. Passed with a motion by Dennis Berry and a second by Mike Langan.

Dennis Berry: Yea, Tom Bredvick: Yea, Loretta Hauxwell: Yea, Brad Hays: Yea, Mike Langan: Yea, Teresa Thomas: Yea

Yea: 6, Nay: 0

3.2. Approval of Expenditures/Payroll for August 2022

4. Reports from Staff Members and Committees

4.1. Finance committee

Mr. Bredvick commented that they met over the budget. The committee spent a great deal of

time on the financial picture of the district. They did recommend some adjustments to the budget, which were reflected in the one presented tonight.

5. Administrator's written reports: Please review prior to the board meeting

5.1. Board Comments

6. Superintendent's Comments

Math Standards

The Nebraska Department of Education has approved changes to the Math standards. The change in standards will require teachers from across the District to spend time analyzing the changes and making changes to our current curriculum to match any potential gaps. The board will also be asked to approve the updated math standards at a future board meeting. A copy of the math standards has been attached to the agenda.

Career Fairs

The District has several career fairs coming up this Fall. Groups of administrators will be attending different fairs across the state and in neighboring states as well. Fall teacher fairs are a new phenomenon and are a product of the teacher shortage.

The ARPA Teacher Recruitment and Retention Grant

Guidelines for the ARPA grant have been partially released. The grant dollars can be applied for and used to pay teachers directly who are early childhood teachers or teachers in grades 6-12 that teach courses in STEM. The grants pay outs range from \$2,500 to \$1,250 based on when a qualifying teacher is hired by the district. The use of these dollars does have some other limitations attached to them, such as maximum pay. Also, the use of these grant dollars may require the District to work with MEA on the negotiated agreement. More information is pending on these grant dollars and how they can be used.

Safety Drills

Each of the District's buildings has been conducting their spring safety and security drills. The use of our new safety app, Raptor, has played a major role in these drills.

School Improvement

Each of the buildings has had to put together a plan for communicating the District's improvement goals. Communication of our goal is a central piece in moving forward on our overarching goal and every member of the school staff needs to be aware of and take overt measures to help the District meet its goal.

The team has also reviewed each of the action plans for each building, and discussed upcoming surveys and trainings.

Teacher Clarity Workshop

The teacher clarity workshop went very well. We hosted schools from across Southwest Nebraska for a full day of in-service. The training focused on developing an instructional process that provides students with clear success criteria. The training also covered the proper curriculum selection process, learning progression and intentions, and relevance.

County Postcard Meeting

The postcard meeting will be held on September 19. Following that meeting, on a separate day, the Board will need to have a special meeting to approve the budget. Possibly September 20, which is the same night as the membership meeting in North Platte.

7. Business Manager's Comments

Monthly Business Manager Board of Education Report

August 2022

August Lunch #'s = 1,934 Breakfast served, 6,087 Lunch served

Financial #'s = After 100%% of fiscal year = General Fund YTD Revenue is 104% YTD Expense is 102%

All Funds YTD Revenue is 110%, YTD Expenses is 106%

Projects - Updates

Track work

Track is complete

On-going work on landscaping and sidewalk work.

Shot put area work to begin / Existing building work to begin

JH HVAC

Adjustments are being made to system

Upcoming Projects

2021-2021 RFP's

RFP for SH gymnasium roof has been published.

RFP for Central elementary roof will be published

Prepare and request Joint Public Hearing for Tax Request

Allowable rate is 2.74%

We are at 3.79%

Federal/state Reports filed in August

Budget work

Reimbursement requests for Grants

IDEA school age

IDEA Apportionment share

IDEA Pre-school

IDEA ARP School age

IDEA ARP Apportionment share

IDEA ARP Pre-school

Title

Title II

Title IX

Essers III - JH HVAC

Essers III - Summer School and Extended Day

Applications through NDE

2022-2023 Food Service

IDEA school age

IDEA Apportionment share

IDEA Pre-school

Title

Title II

Title IX

8. Board member comments

Dennis Berry commented that Omaha Public Schools published class sizes of 28-Elementary/30-Middle/35. We are blessed to live in a community that supportssmaller class size.

9. New Business

10. Positive Comments

Mike Langan commented on the success of the MHS athletic program and the internal work of the MPS schools system.

Loretta Hauxwell commented on the leadership class and program being offered at the high school.

Theresa Thomas loved the preparation of the schools with the open houses and walk to schools night and the positive start to the year.

Dennis Berry commented that 3rd/4th grade math scores were down nationwide, and kudos to administration and staff for keeping us in check.

Smamantha Rodewald thanked Mrs. Preibe and the band leaders for overcoming an issue with band uniforms, and fitting the band before homecoming.

Tom Bredvick recognized the kids for their work on Bison TV.

Jeff thanked Bobbi Bortner, Erin Ruppert and Heather Collicot for all their efforts in the business office. They are top notch and very helpful to me and our entire school district.

Brad Hays commented on the track and how amazing it looks. He also commented on the MHS careers class and how exciting it is for them to be at Community hospital.

Grant Norgaard commented on the student preparation and working together and being part of the school. Also thanked STUCO and Mrs. Blume for all their work to make homecoming exciting.

11. Executive session to discuss potential litigation.

I move to enter into executive session to discuss potential litigation. Passed with a motion by Tom Bredvick and a second by Mike Langan.

Dennis Berry: Yea, Tom Bredvick: Yea, Loretta Hauxwell: Yea, Brad Hays: Yea, Mike

Langan: Yea, Teresa Thomas: Yea

Yea: 6, Nay: 0

12. Adjournment

I move to exit closed session and adjourn the meeting @ 8:19 pm. Passed with a motion by Tom Bredvick and a second by Mike Langan.

Dennis Berry: Yea, Tom Bredvick: Yea, Loretta Hauxwell: Yea, Brad Hays: Yea, Mike

Langan: Yea, Teresa Thomas: Yea

Yea: 6, Nay: 0

Meeting adjourned @ 8:19pm

13. Items for Review

Board of Education Parental Involvement Hearing
Red Willow School District #73-0017
McCook Public Schools
6:30 PM Monday, August 8, 2022
Junior High Conference Room
800 West 7th St
McCook, NE 69001

1. Call to Order

1.1. Roll Call

2. Public Comments

There were no public comments

3. Adjournment of public hearing

Meeting Adjourned @ 6:31pm

Student Fees Hearing
Red Willow School District #73-0017
McCook Public Schools

Will start following the parental involvement hearing Monday, August 8, 2022
Junior High Conference Room
800 West 7th St
McCook, NE 69001

1. Call to Order

1.1. Roll Call

2. Public Comments

There were no public comments

3. Student Fees Policy

4. Adjournment of Public Hearing

Meeting adjourned @ 6:32pm

Board of Education Regular Meeting
Red Willow School District #73-0017
McCook Public Schools

Regular Meeting will follow the student policy hearing Monday, August 8, 2022
Junior High Conference Room
800 West 7th St
McCook, NE 69001

1. Call to Order

1.1. Roll Call

1.2. Recognition of Open Meeting Law

1.3. Pledge of Allegiance

2. Reports, Communications & Public Participation

2.1. Board accepts public comments

There were no public comments!

2.2. The Board of Education will follow Federal regulations and will accept public comments on elementary and secondary school emergency relief funds.

There were no public comments!

2.3. The Board of Education will follow federal regulations and will accept public comments on the reopening of schools for the 2022-2023 school year.

There were no public comments!

3. Consent Agenda

3.1. Approve the consent agenda which includes the minutes and financials

I move to approve the consent agenda which includes the minutes, and financials. Passed with a motion by Dennis Berry and a second by Tom Bredvick.

Dennis Berry: Yea, Tom Bredvick: Yea, Loretta Hauxwell: Yea, Brad Hays: Yea, Mike Langan: Yea, Teresa Thomas: Yea

Yea: 6, Nay: 0

3.2. Approval of Expenditures/Payroll for July 2022

4. Reports from Staff Members and Committees

5. Administrator's written reports: Please review prior to the board meeting

6. Superintendent's Comments

As I indicated last month in my Superintendent's comments, the requirements for taking the state NSCAS assessments have been modified by NDE for the upcoming school year. The reason for this modification is due to the fact that the student results that the assessments were providing did not agree with results collected on other standardized achievement tests as well as local data.

While the students will continue to take the NSCAS assessments, the process for assessing and the required number of assessment questions has been changed for the 2022-2023 school year. It is my hope that the state will soon develop an assessment process and test which meets all legislative requirements as well as provides teachers with data they can use to improve curriculum and instruction.

Area Membership Meeting is Tuesday, September 20th in North Platte.

New teachers started on August 3rd. Thus far, the new teachers have been introduced to administrators from across the district along with essential support staff, District procedures, Raptor and crisis intervention training, ITIP, PLCs, technology integration, mentors, and Eureka math materials.

An all-day teacher training session is going to be held on August 11th at the McCook Evangelical Free Church. The focus of the training is on teaching with clarity (effect size .75). The organization doing the training is Corwin, who focuses on teacher clarity, teacher efficacy and the PLC process.

All teachers are back on contract on Friday, August 12. Students in grades K-6, & 9 start school on August 16 and grades 7,8, 10, 11, & 12 start on August 17. Both days are 2:00 dismissal days.

Admin Team Retreat Highlights:

1. The administrators met on July 27th for an in depth discussion on essential academic issues. Topics discussed include school safety, staff retention, state assessments, curriculum and assessment, and literacy. We took a careful look at our literacy scores across the District and recognized we fit with a national trend that boys slightly underperform girls in reading/ English language arts. We discussed the negative consequences this has on boys and their academic achievement, and worked to identify solutions to help encourage boys to read and write more.
 1. We did discuss improving literacy scores for all students, while discussing how we can accelerate growth for boys.
2. During the 2022-2023 school year, following necessary training, MPS will begin a multi-year process where we review and refine our curriculum (essential learning objectives) and our CRT assessments.
3. We also updated the "Look Ahead Table" and made adjustments to it for the 2022-2023 school year. Emphasis will be placed on teacher clarity (effect size .75) and the jigsaw instructional method (effect size 1.20) during the 2022-2023 school year.

----- For Review -----

Teacher Clarity Training Elements
Collaboration
Identifying learning intentions (learning objectives)
Scope and sequencing of learning progression
Lesson design

Skill demonstration (assessment)

7. Business Manager comments

Monthly Business Manager Board of Education Report

July 2022

June Lunch #'s = No Lunch served

Financial #'s = After 92% of fiscal year = YTD Revenue is 103%, YTD Expenses is 89%

Projects - Updates

Asphalt work:

McCook Elementary - 3rd street is complete. PK circle - complete

SH Parking lot - parking Lot is complete - Entry way - complete

Track - 2" addition to the base is complete. SH Circle Drive - Complete

The learning center is complete

JH/SH Parking:

Armor coating is complete

Track work

The track surface is complete. Only Painting remains

New discus ring is complete

Sidewalk/retaining wall work in progress

JH HVAC

Chillers and Air handlers are all installed.

There was a change order for electrical for \$22,745.00.

The project is almost complete. Electrical work is to be finished.

Carpet/Paint

M.E. carpet has been replaced in 2 classrooms.

C.E. has been painted and new carpet installed.

The Learning Center carpet has been removed. Paint and carpet are being installed.

Basketball goals All work has been completed

McCook Elementary School Steps work is Complete

Roofing Project

Work @ HS and elementary is complete

Upcoming Projects

2021-2021 RFP's

None at this time

Federal/state Reports filed in July:

Budget work

8. Board member comments

Dennis Berry wanted to consider involving the patrons running for school board to attend the September board training meeting in North Platte.

Loretta Hauxwell thanked the board for excusing her July absence.

Brad Hays asked the board to please call the Superintendents office about the September Board training in North Platte

9. New Business

9.1. Accept Resignations

9.2. Review and Approve File: 504.20 Elementary and Secondary:Activities conduct (bullying prevention)

I move to approve File 504.20 Bullying Prevention as presented. Passed with a motion by Mike Langan and a second by Teresa Thomas.

Dennis Berry: Yea, Tom Bredvick: Yea, Loretta Hauxwell: Yea, Brad Hays: Yea, Mike Langan: Yea, Teresa Thomas: Yea

Yea: 6, Nay: 0

9.3. Approve 2022-2023 Option Enrollement Resolution

I move to approve the 2022-2023 Open Enrollment Resolution as presented. Passed with a motion by Loretta Hauxwell and a second by Mike Langan.

Dennis Berry: Yea, Tom Bredvick: Yea, Loretta Hauxwell: Yea, Brad Hays: Yea, Mike Langan: Yea, Teresa Thomas: Yea

Yea: 6, Nay: 0

This resolution establishes the capacity of classrooms as well as programs. When a program is full, the District will not accept option enrollment students that would be placed in that class or program.

9.4. Approval of local substitute certificates.

I move to approve all local substitute certificates for the 2022-2023 school year. Passed with a motion by Teresa Thomas and a second by Mike Langan.

Dennis Berry: Yea, Tom Bredvick: Yea, Loretta Hauxwell: Yea, Brad Hays: Yea, Mike Langan: Yea, Teresa Thomas: Yea

Yea: 6, Nay: 0

This allows the District to use local substitute teachers who do not have a regular teaching certificate from the department of education. They are, however, certified by the Nebraska Department of Education to teach in a substituted capacity.

9.5. Approve student fees policy

I move to approve the student fees for the 2022-2023 school year with the current lunch prices. Passed with a motion by Mike Langan and a second by Tom Bredvick.

Dennis Berry: Yea, Tom Bredvick: Yea, Loretta Hauxwell: Yea, Brad Hays: Yea, Mike Langan: Yea, Teresa Thomas: Yea
Yea: 6, Nay: 0

9.6. Approval of an interlocal agreement with the city of McCook to cooperate in the construction of certain recreational facilities in and for the benefit of the City and its residents and for the benefit of the District and its students.

I move to approve of an interlocal agreement with the city of McCook to cooperate in the construction of certain recreational facilities in and for the benefit of the City and its residents and for the benefit of the District and its students. Passed with a motion by Dennis Berry and a second by Mike Langan.

Dennis Berry: Yea, Tom Bredvick: Yea, Loretta Hauxwell: Yea, Brad Hays: Yea, Mike Langan: Yea, Teresa Thomas: Yea
Yea: 6, Nay: 0

10. Positive Comments

Teresa Thomas commented on a family that has 2 students going to the Elementary and how easy the process was to get enrolled.

Loretta Hauxwell thanked the team (Mr. Hanson) that trained the substitutes last week.

Mike Langan commented on the improvements and the positive appearance of the facility upgrades.

Dennis Berry commented on the great track record of hiring great employees, and many of them being involved in community leadership.

Dennis Berry also commented on the passing of Harold Bennett, long time superintendent of McCook Schools. HB was responsible for the 1st safety committee, 1st computer lab, starting the curriculum leadership, and starting the Greater Nebraska Principals organization.

Tom Bredvick thanked the community for working with the schools and allowing us to use their facilities and thanked the maintenance department for their work this summer.

Brad Hays recognized Matt Weimers for his term as NCA president.

Mr. Gross commended the backpack give away program (and Barb Ostrum) held last week at McCook Christian Church.

Mr. Norgaard's positive comment was on all the current teachers that have been getting ready for the year and working in their classrooms.

11. Adjournment

12. Items for Review

Receipt History

Receipt Date

Detail report. Sorted by Receipt Date, Site.

Site

From 08/01/2022 to 08/31/2022.

Receipt #	Status / Date	Deposit #	Check #	Received From	Receipt Description	Amount	Sales Tax	Amount
Activity ID	Activity Name	Fee Name & Student ID						
	Tax Name	Tax Activity		Tax Rate %		Tax Amount		

08/03/2022

MPS	McCook Public Schools							
4757	CLEARED 08/31/2022	0000001326		K. Schafer	Volleyball Camp			
195-6001	Volleyball Fundraising					30.00	0.00	30.00
4759	CLEARED 08/31/2022	0000001325		Dance team	Burrito Fundraiser			
236-2036	Dance Team					3,369.00	0.00	3,369.00
Total for site: MPS - McCook Public Schools								3,399.00
Total for 08/03/2022								3,399.00

08/04/2022

MPS	McCook Public Schools							
8042022	CLEARED 08/31/2022	0000001398		Chesterman Company	Commissions			
280-2080	COCA COLA - Senior High School					10.60	0.00	10.60
Total for site: MPS - McCook Public Schools								10.60
Total for 08/04/2022								10.60

08/11/2022

MPS	McCook Public Schools							
3998	CLEARED 08/31/2022	0000001356		Ruppert	Wellness			
964-9064	EHA Wellness					64.34	0.00	64.34
4725	CLEARED 08/31/2022	0000001360		Students	Tech Fees			
948-9048	Technology Account					400.00	0.00	400.00
4726	CLEARED 08/31/2022	0000001359		Students	Class Dues			
385-3085	Class of 2023					300.00	0.00	300.00
4729	CLEARED 08/31/2022	0000001363		Students	Class Dues			
386-3086	Class of 2024					160.00	0.00	160.00
4756	CLEARED 08/31/2022	0000001362		Campers	Volleyball Camp			
195-6001	Volleyball Fundraising					30.00	0.00	30.00
4758	CLEARED 08/31/2022	0000001361		Dance team	Burrito Fundraiser			
236-2036	Dance Team					1,731.00	0.00	1,731.00
4761	CLEARED 08/31/2022	0000001364		Split the pot money	Volleyball			
195-6001	Volleyball Fundraising					255.00	0.00	255.00
4763	CLEARED 08/31/2022	0000001358		Sponsors	Sponsorship			
235-2035	Cheerleaders					178.00	0.00	178.00
5500	CLEARED 08/31/2022	0000001357		Students	Tech Fees			
948-9048	Technology Account					400.00	0.00	400.00
Total for site: MPS - McCook Public Schools								3,518.34
Total for 08/11/2022								3,518.34

Receipt History

Receipt Date

Detail report. Sorted by Receipt Date, Site.

Site

From 08/01/2022 to 08/31/2022.

Receipt #	Status / Date	Deposit #	Check #	Received From	Amount	Receipt Description	Amount
Activity ID	Activity Name	Fee Name & Student ID				Sales Tax	
	Tax Name	Tax Activity	Tax Rate %			Tax Amount	
08/12/2022							
MPS	McCook Public Schools						
4727	CLEARED 08/31/2022	0000001337		Students		Tech Fees	
948-9048	Technology Account				1,760.00	0.00	1,760.00
4728	CLEARED 08/31/2022	0000001338		Students		Tech Fees	
948-9048	Technology Account				1,240.00	0.00	1,240.00
4730	CLEARED 08/31/2022	0000001332		Students		Class Dues	
386-3086	Class of 2024				600.00	0.00	600.00
4731	CLEARED 08/31/2022	0000001331		Students		Class Dues	
386-3086	Class of 2024				400.00	0.00	400.00
4732	CLEARED 08/31/2022	0000001330		Students		Dues	
385-3085	Class of 2023				580.00	0.00	580.00
4733	CLEARED 08/31/2022	0000001333		Students		Class Dues	
385-3085	Class of 2023				560.00	0.00	560.00
4734	CLEARED 08/31/2022	0000001334		Students		Class Dues	
385-3085	Class of 2023				240.00	0.00	240.00
4735	CLEARED 08/31/2022	0000001336		Students		Tech Fees	
948-9048	Technology Account				1,520.00	0.00	1,520.00
4736	CLEARED 08/31/2022	0000001335		Students		Tech Fees	
948-9048	Technology Account				1,120.00	0.00	1,120.00
4760	CLEARED 08/31/2022	0000001327		C5, LLC		Posters	
195-6001	Volleyball Fundraising				40.00	0.00	40.00
4762	CLEARED 08/31/2022	0000001328		MPS General Fund		Transfer to cover COVID loss	
949-9049	Capital Construction Reserve				50,000.00	0.00	50,000.00
4764	CLEARED 08/31/2022	0000001329		Sponsors		Fundraiser	
235-2035	Cheerleaders				1,075.00	0.00	1,075.00
Total for site: MPS - McCook Public Schools							59,135.00
Total for 08/12/2022							59,135.00

Receipt History

Receipt Date

Detail report. Sorted by Receipt Date, Site.

Site

From 08/01/2022 to 08/31/2022.

Receipt #	Status / Date	Deposit #	Check #	Received From	Receipt Description
Activity ID	Activity Name	Fee Name & Student ID	Tax Activity	Tax Rate %	Sales Tax
	Tax Name				Amount

08/17/2022

MPS		McCook Public Schools			
4554	CLEARED 08/31/2022	0000001342		Business Checks	Sponsorship
195-9001	Softball Fundraising				400.00
100-9014	Office Expenses				33.24
4737	CLEARED 08/31/2022	0000001343		Students	Class Dues
385-3085	Class of 2023				120.00
4739	CLEARED 08/31/2022	0000001341		Students	Class Dues
386-3086	Class of 2024				140.00
4741	CLEARED 08/31/2022	0000001344		Students	Tech Fees
948-9048	Technology Account				1,120.00
4742	CLEARED 08/31/2022	0000001345		Students	Tech Fees
948-9048	Technology Account				1,120.00
4743	CLEARED 08/31/2022	0000001347		Students	Tech Fees
948-9048	Technology Account				1,120.00
4744	CLEARED 08/31/2022	0000001346		Students	Tech Fees
948-9048	Technology Account				1,280.00
4745	CLEARED 08/31/2022	0000001340		Students	Tech Fees
948-9048	Technology Account				456.76
4747	CLEARED 08/31/2022	0000001348		Students	Class Dues
388-3088	Class of 2026				560.00
4748	CLEARED 08/31/2022	0000001349		Students	Class Dues
388-3088	Class of 2026				620.00
4749	CLEARED 08/31/2022	0000001350		Students	Class Dues
388-3088	Class of 2026				360.00
4765	CLEARED 08/31/2022	0000001339		S. Frank	Racket
195-3001	Boys / Girls Tennis Fund raising				180.42
5502	CLEARED 08/31/2022	0000001351		Students	Class Dues
387-3087	Class of 2025				560.00
5503	CLEARED 08/31/2022	0000001352		Students	Class Dues
387-3087	Class of 2025				560.00
5504	CLEARED 08/31/2022	0000001353		Students	Class Dues
387-3087	Class of 2025				200.00
5505	CLEARED 08/31/2022	0000001355		Nokes, Giorgione, Soden	AP Test Fees
251-2051	AP TESTING				300.00
5508	CLEARED 08/31/2022	0000001354		Stevens/Dame	yearbook
215-2015	High School Annual				195.00

Total for site: MPS - McCook Public Schools	9,325.42
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Total for 08/17/2022	9,325.42
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Receipt History

Receipt Date

Detail report. Sorted by Receipt Date, Site.

Site

From 08/01/2022 to 08/31/2022.

Receipt #	Status / Date	Deposit #	Check #	Received From	Amount	Receipt Description	Amount	
Activity ID	Activity Name	Fee Name & Student ID				Sales Tax		
	Tax Name	Tax Activity	Tax Rate %		Tax Amount			
08/18/2022								
MPS	McCook Public Schools							
4738	CLEARED 08/31/2022	0000001382		Students		Class Dues		
386-3086	Class of 2024				40.00	0.00	40.00	
4740	CLEARED 08/31/2022	0000001384		Students		Tech Fees		
948-9048	Technology Account				1,023.25	0.00	1,023.25	
4746	CLEARED 08/31/2022	0000001383		Students		Class Dues		
388-3088	Class of 2026				340.00	0.00	340.00	
5501	CLEARED 08/31/2022	0000001381		Students		Class Dues		
387-3087	Class of 2025				300.00	0.00	300.00	
5506	CLEARED 08/31/2022	0000001385		Students		Library Book Fine		
225-2025	Sr High Library				24.90	0.00	24.90	
5507	CLEARED 08/31/2022	0000001380		Students		art fees		
208-2008	Art Lab				3.00	0.00	3.00	
5509	CLEARED 08/31/2022	0000001386		Students		yearbook		
215-2015	High School Annual				65.00	0.00	65.00	
Total for site: MPS - McCook Public Schools								1,796.15
Total for 08/18/2022								1,796.15

08/19/2022								
MPS	McCook Public Schools							
4766	CLEARED 08/31/2022	0000001365		Koch Seed		Donation		
195-7001	Cross Country Fundraising				150.00	0.00	150.00	
4767	CLEARED 08/31/2022	0000001366		P. Donovan		wood class		
224-2024	Industrial Arts				44.36	0.00	44.36	
4768	CLEARED 08/31/2022	0000001367		Make an Impact		Donation		
236-2036	Dance Team				1,000.00	0.00	1,000.00	
4770	CLEARED 08/31/2022	0000001369		Students		Preschool Fees		
276-2076	Preschool Snack Fund				480.00	0.00	480.00	
4771	CLEARED 08/31/2022	0000001368		McCook Art Council		Donation		
252-2052	Art Lab Junior High				350.00	0.00	350.00	
Total for site: MPS - McCook Public Schools								2,024.36
Total for 08/19/2022								2,024.36

Receipt History

Receipt Date

Detail report. Sorted by Receipt Date, Site.

Site

From 08/01/2022 to 08/31/2022.

Receipt #	Status / Date	Deposit #	Check #	Received From	Amount	Receipt Description	Amount
Activity ID	Activity Name	Fee Name & Student ID	Tax Activity	Tax Rate %	Tax Amount	Sales Tax	Amount
08/24/2022							
MPS	McCook Public Schools						
4589	CLEARED 08/31/2022	0000001376		Gross		Boys Basketball	
195-8001	Boys Basketball Fundraising				120.00	0.00	120.00
4772	CLEARED 08/31/2022	0000001377		MPS General Fund		Transfer	
933-9033	Destination Imagination				9,035.00	0.00	9,035.00
5510	CLEARED 08/31/2022	0000001375		Students		Chromebook fees	
948-9048	Technology Account				425.00	0.00	425.00
5513	CLEARED 08/31/2022	0000001374		Students		Class Dues	
388-3088	Class of 2026				80.00	0.00	80.00
5515	CLEARED 08/31/2022	0000001372		Reece/Donovan		Class Dues	
386-3086	Class of 2024				40.00	0.00	40.00
5517	CLEARED 08/31/2022	0000001373		Students		Class Dues	
385-3085	Class of 2023				80.00	0.00	80.00
5518	CLEARED 08/31/2022	0000001371		Stevens/Doyle		AP Test Fees	
251-2051	AP TESTING				200.00	0.00	200.00
5519	CLEARED 08/31/2022	0000001370		Businesses		Sponsors	
210-2010	FFA				2,080.99	0.00	2,080.99
Total for site: MPS - McCook Public Schools							12,060.99
Total for 08/24/2022							12,060.99

08/29/2022							
MPS	McCook Public Schools						
4774	CLEARED 08/31/2022	0000001379		Donations		Burrito Fundraiser	
236-2036	Dance Team				345.00	0.00	345.00
5522	CLEARED 08/31/2022	0000001378		Kinne/Frank		Student Fees	
218-2018	Band				60.00	0.00	60.00
Total for site: MPS - McCook Public Schools							405.00
Total for 08/29/2022							405.00

Receipt History

Receipt Date

Detail report. Sorted by Receipt Date, Site.

Site

From 08/01/2022 to 08/31/2022.

Receipt #	Status / Date	Deposit #	Check #	Received From	Amount	Receipt Description	Amount
Activity ID	Activity Name	Fee Name & Student ID				Sales Tax	
	Tax Name	Tax Activity	Tax Rate %	Tax Amount			
08/31/2022							
MPS	McCook Public Schools						
4769	CLEARED 08/31/2022	0000001387		Parents		Preschool Fees	
276-2076	Preschool Snack Fund				400.00	0.00	400.00
4773	CLEARED 08/31/2022	0000001392		J. Hill		Burrito Fundraiser	
236-2036	Dance Team				20.00	0.00	20.00
4974	CLEARED 08/31/2022	0000001391		Students		Preschool Fees	
276-2076	Preschool Snack Fund				80.00	0.00	80.00
4975	CLEARED 08/31/2022	0000001390		Students		Club Dues	
211-2011	eSports				40.00	0.00	40.00
5511	CLEARED 08/31/2022	0000001395		Students		Chromebook fees	
948-9048	Technology Account				225.00	0.00	225.00
5512	CLEARED 08/31/2022	0000001394		Students		Class Dues	
388-3088	Class of 2026				120.00	0.00	120.00
5514	CLEARED 08/31/2022	0000001393		Students		Class Dues	
387-3087	Class of 2025				60.00	0.00	60.00
5516	CLEARED 08/31/2022	0000001396		Class of 2023		Class Dues	
385-3085	Class of 2023				60.00	0.00	60.00
5520	CLEARED 08/31/2022	0000001389		Students		Sponsorship	
210-2010	FFA				125.00	0.00	125.00
5521	CLEARED 08/31/2022	0000001388		Students		Donations	
218-2018	Band				180.00	0.00	180.00
8312022	CLEARED 08/31/2022	0000001397		First Central Bank		Bank Interest	
947-9047	Bank Interest				289.90	0.00	289.90
Total for site: MPS - McCook Public Schools							1,599.90
Total for 08/31/2022							1,599.90
Report Total							93,274.76

Check Summary

Sorted by Check Number.
From 08/01/2022 to 08/31/2022.

Check Number	Site ID	Status	Check / Void Date	Vendor Name	PO Number	Invoice No.#	Description	Amount
032445	MPS	Cleared	08/05/2022	Peterson, Amanda	22-083413	0002829	Dance	549.45
032446	MPS	Void	08/05/2022	Siebrandt	22-083414	5322	Dance	0.00
032447	MPS	Cleared	08/05/2022	ESU 10	22-083415	24394	Chromebook Repairs	120.00
032448	MPS	Cleared	08/05/2022	Mead Lumber Company	22-083244	7611067	district golf	107.44
032449	MPS	Cleared	08/05/2022	MEDC Keystone Business Center	22-083149		HOCO Dance	40.00
032450	MPS	Printed	08/05/2022	Norris Alley	22-083150	09102022	HOCO Dance	100.00
032451	MPS	Cleared	08/05/2022	Harris Computer Systems	22-083404	DATMN0001291	AAWEB	1,034.15
032452	MPS	Cleared	08/05/2022	Bennett, Sharon	22-083405	SB-08012022	Memorial	25.00
032453	MPS	Cleared	08/05/2022	Varsity Spirit Fashions	22-082386	84500582	Dance	2,978.65
032454	MPS	Cleared	08/05/2022	Eakes Office Solutions	22-083417	8532683-0	Activity Tickets	264.73
032455	MPS	Void	08/05/2022	Depreciation Fund	22-7252022	VB-7092022	Camp Transportation	0.00
032456	MPS	Cleared	08/05/2022	US Bank	22-083384	565	Crew Meal	608.26
032457	MPS	Cleared	08/05/2022	Siebrandt, Becky	22-083414	BS-8012022	Burrito Fundraiser	521.90
032458	MPS	Cleared	08/05/2022	US Bank	22-083385	C00933173903-1	Dance	54.54
032459	MPS	Printed	08/10/2022	Nokes, Laura	22-083419	LN-8082022	Memorial	25.00
032460	MPS	Cleared	08/10/2022	Sitzman, Todd or Melissa	22-083268	KS-8082022	Yearbook	61.00
032461	MPS	Cleared	08/10/2022	Renner, Steve	22-083267	TJ-8082022	yearbook	56.00
032462	MPS	Cleared	08/10/2022	US Bank	22-083420	EHA-7192022	Challenge Program	76.32
032463	MPS	Printed	08/10/2022	Tennis Express	22-080739	8439	Tennis Equipment	51.45
032464	MPS	Printed	08/18/2022	Teambuilder	22-083265	INV-023623	Renewal	1,200.00
032465	MPS	Cleared	08/18/2022	Bliss, Kelsie	22-083358	KB-8102022	Dance Team	450.00
032466	MPS	Cleared	08/18/2022	Varsity Spirit Fashions	22-082414	12859956	Cheer	1,177.05
032467	MPS	Cleared	08/18/2022	Rambali, Darcy	23-1	DR-8182022	Softball	140.00
032468	MPS	Cleared	08/18/2022	Loos, Rick	23-2	RL-8182022	Softball	140.00
032469	MPS	Cleared	08/18/2022	Hedke, Michelle	23-3	MH-8222022	Volleyball	200.00
032470	MPS	Cleared	08/19/2022	Jimmy Johns	22-079991	JJ-8192022	Lunch Meeting	397.40
032471	MPS	Cleared	08/22/2022	Petty Cash	23-083276	STUCO-8222023	Cash for Concessions	750.00
032472	MPS	Cleared	08/23/2022	O'Neil, Sheila	23-083429	SO-8222022	Memorial	25.00
032473	MPS	Cleared	08/23/2022	Eakes Office Solutions	23-083424	8540475-0	Paper purchase orders	1,438.85
032474	MPS	Printed	08/23/2022	Imus, Joe	22-083273	BBB-8152022	Escape Works Denver	732.04
032475	MPS	Printed	08/23/2022	NSIAAA	23-083359	27602234	Membership Dues	250.00
032476	MPS	Cleared	08/23/2022	7-D Lockshop	22-083269	11137914	Keys	50.00
032477	MPS	Printed	08/23/2022	Braxton's Brisket BarbiQue	23-083271	97653	FFA	359.76
032478	MPS	Cleared	08/23/2022	NE College of Technical Agriculture	23-083270	1534	Contest lunches	812.50
032479	MPS	Printed	08/23/2022	Gillespie, Chad	23-4	CG-8262022	Football	130.00
032480	MPS	Printed	08/23/2022	Washington, Kent	23-5	KW-8262022	Football	130.00
032481	MPS	Printed	08/23/2022	Barth, Matt	23-6	MB-8262022	Football	130.00
032482	MPS	Printed	08/23/2022	Cody Gillespie	23-7	GC-8262022	Football	130.00
032483	MPS	Cleared	08/23/2022	Volk, Matt	23-9	MV-82522	Football	95.00
032484	MPS	Cleared	08/23/2022	Pochop, Michael	23-10	MP-8252022	Football	75.00
032485	MPS	Cleared	08/23/2022	Wood, Paul	23-11	PW-8252022	Football	75.00
032486	MPS	Cleared	08/23/2022	Loop, Jason	23-12	JL-8252022	Football	75.00
032487	MPS	Printed	08/23/2022	Quigley, Steve	23-13	SQ-8232022	Softball	140.00
032488	MPS	Cleared	08/23/2022	Gunderson, Dave	23-14	DG-8232022	Softball	140.00

Check Summary

Sorted by Check Number.
From 08/01/2022 to 08/31/2022.

Check Number	Site ID	Status	Check / Void Date	Vendor Name	PO Number	Invoice No.#	Description	Amount
032489	MPS	Cleared	08/23/2022	Dickey, Angela	23-15	AD-8252022	Volleyball	190.00
032490	MPS	Printed	08/23/2022	Emal, Colby	23-8	CE-8262022	Football	130.00
032491	MPS	Cleared	08/23/2022	Spady, Nichole	23-16	NS-8252022	Volleyball	190.00
032492	MPS	Printed	08/23/2022	Quality Inn	22-083361	757542182	Basketball	1,217.52
032493	MPS	Void	08/25/2022	MC Entertainment DJ	23-083277	HOCO-9102022	HOCO Dance	0.00
032494	MPS	Cleared	08/23/2022	Jimmy Johns	23-083430	JG-8222022	Lunch Meeting	29.02
032495	MPS	Cleared	08/24/2022	Holiday Inn Express McCook	22-083431	3735	Cheer	288.00
032496	MPS	Printed	08/24/2022	Centricity	22-083051	146060-1	Thespians	250.00
032497	MPS	Cleared	08/24/2022	Educational Theatre Association	22-083050	0020733	Thespians	45.92
032498	MPS	Printed	08/24/2022	College Board	23-083425	EP00126125	AP Exams	2,349.00
032499	MPS	Cleared	08/24/2022	Coca Cola	23-083280	10849883	HS Concession Stands	276.84
032500	MPS	Printed	08/29/2022	Culver, Howard	23-083277	HC-9102022	HOCO Dance	550.00
032501	MPS	Printed	08/29/2022	Sidney High School	23-7	GG-8192022	Girls Golf	60.00
032502	MPS	Printed	08/29/2022	Cambridge Public Schools	23-2	GG-8182022	Girls Golf	40.00
032503	MPS	Printed	08/29/2022	Grand Island Central Catholic	23-3	GG-9012022	Girls Golf	125.00
032504	MPS	Printed	08/29/2022	Lexington High School	23-4	GG-9092022	Girls Golf	90.00
032505	MPS	Printed	08/29/2022	Gothenburg High School	23-5	GG-9132022	Girls Golf	100.00
032506	MPS	Printed	08/29/2022	Ogallala High School	23-6	GG-9202022	Girls Golf	75.00
032507	MPS	Printed	08/29/2022	Sketchforschools Publishing, Inc.	23-082149	JH-8618	Jr.High Art	128.75
032508	MPS	Printed	08/29/2022	Tennis Express	23-082731	10748	Tennis Equipment	180.42
032509	MPS	Printed	08/29/2022	Rambali, Darcy	23-17	DR-8302022	Softball	140.00
032510	MPS	Printed	08/29/2022	Gunderson, Dave	23-18	DG-8302022	Softball	140.00
032511	MPS	Printed	08/29/2022	Anderson, Gloria	23-19	GA-8302022	Volleyball	215.00
032513	MPS	Void	08/29/2022	Gaulke, Robert	23-21	BG-8302022	Volleyball	0.00
032514	MPS	Void	08/29/2022	Mooney, Renelle	23-22	RM-8302022	Volleyball	0.00
032515	MPS	Void	08/29/2022	Jenner, Jerry	23-23	JJ-9032022	Softball	0.00
032516	MPS	Void	08/29/2022	Gunderson, Dave	23-24	DG-9032022	Softball	0.00
032517	MPS	Void	08/29/2022	Loos, Rick	23-25	RL-9032022	Softball	0.00
032518	MPS	Void	08/29/2022	Quigley, Steve	23-26	SQ-9032022	Softball	0.00
032519	MPS	Void	08/29/2022	Simonton, Paul	23-27	PS-9032022	Softball	0.00
032521	MPS	Void	08/29/2022	Brownawell, Cari	23-20	CB-8302022	Volleyball	0.00
032522	MPS	Printed	08/29/2022	Brownawell, Cari	23-20	BC-8302022	Volleyball	215.00
032523	MPS	Printed	08/29/2022	Gaulke, Robert	23-21	GR-8302022	Volleyball	175.00
032524	MPS	Printed	08/29/2022	Mooney, Renelle	23-22	MR-8302022	Volleyball	175.00
032525	MPS	Printed	08/29/2022	Jenner, Jerry	23-23	JJ-90322	Softball	280.00
032526	MPS	Printed	08/29/2022	Gunderson, Dave	23-24	DG-90322	Softball	210.00
032527	MPS	Printed	08/29/2022	Loos, Rick	23-25	RL-90322	Softball	280.00
032528	MPS	Printed	08/29/2022	Quigley, Steve	23-26	SQ-90322	Softball	280.00
032529	MPS	Printed	08/29/2022	Simonton, Paul	23-27	PS-90322	Softball	280.00
032530	MPS	Printed	08/31/2022	Nick's Distribution Inc	22-083278	137710	Concession Stand Supplies	1,821.42
032531	MPS	Printed	08/31/2022	Acme Printing	23-083281	1480	Posters	940.00
032532	MPS	Printed	08/31/2022	McCook Lettering	23-083438	43829	Cross Country	645.00
032533	MPS	Printed	08/31/2022	Nebraska Schools eSports Association	23-082686	2022-33	Membership Dues	100.00

Check Summary

Sorted by Check Number.
From 08/01/2022 to 08/31/2022.

Check Number	Site ID	Status	Check / Void Date	Vendor Name	PO Number	Invoice No.#	Description	Amount
032534	MPS	Printed	08/31/2022	McCook ACE Hardware	23-082172	014477/4	Wood Projects	807.30
032535	MPS	Printed	08/31/2022	Blick Art Materials	23-082148	9108980	JH Art Club	47.92
032536	MPS	Printed	08/31/2022	Savvas Learning Company LLC	23-083439	7028058313	Math codes	764.82
032537	MPS	Void	08/31/2022	SYNCB/Amazon	23-083427	1PHC-JMJY-N4Q3	Dance	0.00
032538	MPS	Printed	08/31/2022	Amazon Capital Services	23-083416	174R-11PV-LTHY-1	Back to school breakfast	935.16
							Report Total:	30,683.58

McCook Public Schools

Revenues for August 2022 for September Board Meeting

[Fund] 01 - General Fund

Account Code	Description	Actual (Date)	Budget (YTD)	Actual (YTD)	Available (YTD)	% of Budget
01-1-01100-00-000-000	Local Property Taxes	(\$52,302.71)	(\$7,958,681.00)	(\$7,457,279.95)	(\$501,401.05)	93.69
01-1-01115-00-000-000	Carline Taxes	\$0.00	(\$5,000.00)	(\$4,973.14)	(\$26.86)	99.46
01-1-01120-00-000-000	Public Power Dist. Sales Tax	\$0.00	(\$310,000.00)	(\$285,142.59)	(\$24,857.41)	91.98
01-1-01125-00-000-000	Motor Vehicle Taxes	(\$70,686.33)	(\$700,000.00)	(\$814,030.90)	\$114,030.90	116.29
01-1-01323-00-000-000	Tuition - District - Sped	\$0.00	(\$22,000.00)	(\$21,000.00)	(\$1,000.00)	95.45
01-1-01510-00-000-000	Interest	(\$2,000.30)	(\$22,000.00)	(\$23,665.72)	\$1,665.72	107.57
01-1-01911-00-000-000	Local License Fees	\$0.00	(\$7,000.00)	(\$7,200.00)	\$200.00	102.85
01-1-01921-00-000-000	Police Court Fines	(\$21.00)	(\$6,000.00)	(\$2,326.00)	(\$3,674.00)	38.76
01-1-01960-00-000-000	Other Local Receipts	\$0.00	\$0.00	(\$941.84)	\$941.84	0.00
01-1-02110-00-000-000	County Fines & License Fees	(\$4,802.37)	(\$50,000.00)	(\$48,889.43)	(\$1,110.57)	97.77
01-1-02130-00-000-000	Other County Receipts	\$0.00	\$0.00	(\$4,534.70)	\$4,534.70	0.00
01-1-03110-00-000-000	State Aid	\$0.00	(\$6,067,532.00)	(\$6,067,532.00)	\$0.00	100.00
01-1-03120-00-000-000	Sped School Age	\$0.00	(\$1,100,000.00)	(\$1,033,743.00)	(\$66,257.00)	93.97
01-1-03125-00-000-000	Sped Trans. Sch Age	\$0.00	\$0.00	(\$24,762.00)	\$24,762.00	0.00
01-1-03130-00-000-000	Homestead Exemption	(\$41,812.39)	(\$180,000.00)	(\$248,009.14)	\$68,009.14	137.78
01-1-03131-00-000-000	Property Tax Credit	\$0.00	\$0.00	(\$478,751.69)	\$478,751.69	0.00
01-1-03180-00-000-000	Pro Rate Motor Vehicle	(\$192.92)	(\$25,000.00)	(\$29,861.74)	\$4,861.74	119.44
01-1-03400-00-000-000	State Apportionment	\$0.00	(\$265,000.00)	(\$260,446.10)	(\$4,553.90)	98.28
01-1-03512-00-000-000	Distance Educ. Incentive Payments	\$0.00	(\$2,000.00)	(\$2,532.84)	\$532.84	126.64
01-1-03535-00-000-000	High Ability Learner Payments	\$0.00	(\$10,000.00)	(\$9,877.00)	(\$123.00)	98.77
01-1-03990-00-000-000	Other State Receipts	\$0.00	\$0.00	(\$3,950.00)	\$3,950.00	0.00
01-1-04421-00-000-000	IDEA Part B ARP	\$0.00	(\$57,000.00)	(\$28,189.00)	(\$28,811.00)	49.45
01-1-04422-00-000-000	IDEA Preschool ARP - BASE - EP	\$0.00	(\$5,000.00)	(\$2,563.00)	(\$2,437.00)	51.26
01-1-04505-00-000-000	Title I Current Fiscal Year	\$0.00	(\$265,000.00)	(\$173,466.00)	(\$91,534.00)	65.45
01-1-04509-00-000-000	Title II, Part A Teacher Quality	\$0.00	(\$75,000.00)	(\$56,661.00)	(\$18,339.00)	75.54
01-1-04510-00-000-000	Title IV	\$0.00	(\$28,000.00)	(\$24,330.00)	(\$3,670.00)	86.89
01-1-04516-00-000-000	IDEA Base 3-5	\$0.00	(\$16,000.00)	(\$10,983.00)	(\$5,017.00)	68.64
01-1-04518-00-000-000	IDEA - BASE - EP	\$0.00	(\$350,000.00)	(\$260,866.00)	(\$89,134.00)	74.53
01-1-04521-00-000-000	IDEA Non-Public	\$0.00	(\$49,000.00)	(\$39,531.00)	(\$9,469.00)	80.67
01-1-04524-00-000-000	Other Federal Non-categorical	\$0.00	(\$13,200.00)	\$0.00	(\$13,200.00)	0.00
01-1-04530-00-000-000	Categorical Grants	\$0.00	(\$3,000.00)	\$0.00	(\$3,000.00)	0.00
01-1-04708-00-000-000	Medicaid In Public Schools	\$0.00	(\$10,323.00)	(\$57,727.16)	\$47,404.16	559.20
01-1-04709-00-000-000	Medicaid Administrative Activity	\$0.00	(\$1,000.00)	\$0.00	(\$1,000.00)	0.00
01-1-04996-00-000-000	ESSER- CARES ACT	\$0.00	\$0.00	(\$24,739.00)	\$24,739.00	0.00
01-1-04997-00-000-000	ESSER2	\$0.00	(\$27,000.00)	(\$739,295.00)	\$712,295.00	2,738.12
01-1-04998-00-000-000	ESSERS III	\$358,826.00	(\$170,000.00)	(\$243,039.00)	\$73,039.00	142.96
01-1-05301-00-000-000	Insurance Adjustments	\$0.00	\$0.00	(\$59,149.36)	\$59,149.36	0.00
01 - General Fund		\$187,007.98	(\$17,799,736.00)	(\$18,549,988.30)	\$750,252.30	104.21

[Fund] 02 - Depreciation Fund

02-1-01510-00-000-000	Interest	(\$285.62)	(\$1,500.00)	(\$5,842.39)	\$4,342.39	389.49
02-1-05200-00-000-000	Transfers From General Fund	(\$998,890.77)	(\$150,000.00)	(\$998,890.77)	\$848,890.77	665.92
02-1-05690-00-000-000	Non-revenue Receipts	\$0.00	\$0.00	(\$10,897.76)	\$10,897.76	0.00

02 - Depreciation Fund		(\$999,176.39)	(\$151,500.00)	(\$1,015,630.92)	\$864,130.92	670.38
[Fund] 03 - Employee Benefit Fund						
Account Code	Description	Actual (Date Range)	Budget (YTD)	Actual (YTD)	Available (YTD)	% of Budget
03-1-01510-00-000-000	Interest - Unemployment	(\$31.05)	(\$250.00)	(\$296.43)	\$46.43	118.57
03-1-05200-00-000-000	Transfers From General Fund	\$0.00	(\$5,000.00)	(\$3,120.00)	(\$1,880.00)	62.40
03 - Employee Benefit Fund		(\$31.05)	(\$5,250.00)	(\$3,416.43)	(\$1,833.57)	65.07
[Fund] 06 - School Nutrition Fund						
Account Code	Description	Actual (Date Range)	Budget (YTD)	Actual (YTD)	Available (YTD)	% of Budget
06-1-01510-00-000-000	Interest	(\$26.64)	(\$100.00)	(\$211.94)	\$111.94	211.94
06-1-01611-00-000-000	School Lunch Program	(\$22,065.80)	(\$310,000.00)	(\$98,459.91)	(\$211,540.09)	31.76
06-1-03150-00-000-000	State Reimbursement	\$0.00	(\$320,000.00)	\$0.00	(\$320,000.00)	0.00
06-1-04210-00-000-000	Federal Reimbursement	\$0.00	\$0.00	(\$647,331.80)	\$647,331.80	0.00
06-1-05690-00-000-000	Other Non-revenue Receipts	(\$15.73)	\$0.00	(\$363.58)	\$363.58	0.00
06 - School Nutrition Fund		(\$22,108.17)	(\$630,100.00)	(\$746,367.23)	\$116,267.23	118.45
[Fund] 07 - Bond Fund						
Account Code	Description	Actual (Date Range)	Budget (YTD)	Actual (YTD)	Available (YTD)	% of Budget
07-1-01100-00-000-000	Local Property Taxes	(\$2,793.65)	(\$410,000.00)	(\$379,898.32)	(\$30,101.68)	92.65
07-1-01115-00-000-000	Carline Taxes	\$0.00	(\$385.00)	(\$337.37)	(\$47.63)	87.62
07-1-01120-00-000-000	Public Power Dist. Sales Tax	\$0.00	(\$245.00)	(\$19,131.78)	\$18,886.78	7,808.88
07-1-01510-00-000-000	Interest	(\$156.37)	(\$570.00)	(\$1,385.46)	\$815.46	243.06
07-1-03130-00-000-000	Homestead Exemption	(\$2,644.74)	(\$8,600.00)	(\$15,562.49)	\$6,962.49	180.95
07-1-03131-00-000-000	Property Tax Credit	\$0.00	\$0.00	(\$22,641.65)	\$22,641.65	0.00
07-1-03180-00-000-000	Pro Rate Motor Vehicle	(\$0.75)	(\$1,200.00)	(\$1,579.54)	\$379.54	131.62
07 - Bond Fund		(\$5,595.51)	(\$421,000.00)	(\$440,536.61)	\$19,536.61	104.64
[Fund] 08 - Special Building Fund						
Account Code	Description	Actual (Date Range)	Budget (YTD)	Actual (YTD)	Available (YTD)	% of Budget
08-1-01100-00-000-000	Local Property Taxes	(\$2,927.49)	(\$450,000.00)	(\$420,110.27)	(\$29,889.73)	93.35
08-1-01115-00-000-000	Carline Taxes	\$0.00	(\$150.00)	(\$279.60)	\$129.60	186.40
08-1-01120-00-000-000	Public Power Sales Tax	\$0.00	(\$1,000.00)	(\$16,122.44)	\$15,122.44	1,612.24
08-1-01510-00-000-000	Interest	(\$166.67)	(\$1,000.00)	(\$2,894.87)	\$1,894.87	289.48
08-1-03130-00-000-000	Homestead Exemption	(\$2,364.15)	(\$1,100.00)	(\$11,708.28)	\$10,608.28	1,064.38
08-1-03131-00-000-000	Property Tax Credit	\$0.00	\$0.00	(\$27,069.43)	\$27,069.43	0.00
08-1-03180-00-000-000	Pro-rate Motor Vehicle	(\$10.91)	(\$1,750.00)	(\$1,687.90)	(\$62.10)	96.45
08-1-04998-00-000-000	ARP ESSERS III Special Building	(\$358,826.00)	\$0.00	(\$358,826.00)	\$358,826.00	0.00
08 - Special Building Fund		(\$364,295.22)	(\$455,000.00)	(\$838,698.79)	\$383,698.79	184.33
Grand Total		(\$1,204,198.36)	(\$19,462,586.00)	(\$21,594,638.28)	\$2,132,052.28	110.95

McCook Public Schools

Expenditures for August 2022 for September Board Meeting

Function	Actuals (Selected)	Adopted Budget	Actuals (YTD)	Available	% of Budget
01100 - Regular Instruction	\$582,022.47	\$6,228,061.00	\$6,054,638.75	\$173,422.25	97.22
01150 - Limited English Proficiency Programs	\$12,065.25	\$233,645.00	\$210,147.87	\$23,497.13	89.94
01160 - Poverty Programs	\$159,253.68	\$1,793,792.00	\$1,788,913.15	\$4,878.85	99.73
01190 - Early Childhood Educational Programs	\$0.00	\$2,500.00	\$2,245.49	\$254.51	89.82
01200 - Special Education Instructional Programs -	\$171,058.13	\$2,128,548.00	\$2,172,213.01	(\$43,665.01)	102.05
01291 - Special Education Instructional Programs -	\$788.41		\$2,341.36	(\$2,341.36)	
01295 - Special Education Instructional Programs -	\$91.49	\$1,141.00	\$1,120.54	\$20.46	98.21
01300 - Summer School	\$1,831.06	\$49,950.00	\$63,773.63	(\$13,823.63)	127.67
02110 - Attendance/Social Work	\$0.00	\$35,000.00	\$29,167.20	\$5,832.80	83.33
02120 - Guidance Services	\$18,692.67	\$259,493.00	\$218,138.81	\$41,354.19	84.06
02130 - Health Services	\$0.00	\$5,100.00	\$3,924.41	\$1,175.59	76.95
02131 - SPED Health Services	\$584.75	\$69,345.00	\$41,458.52	\$27,886.48	59.79
02141 - Psychological Services - SPED - School	\$9,801.31	\$146,507.00	\$157,555.55	(\$11,048.55)	107.54
02151 - Speech Pathology and Audiology Services -	\$18,245.63	\$218,939.00	\$229,688.38	(\$10,749.38)	104.91
02152 - Speech Pathology and Audiology Services -	\$532.64	\$2,950.00	\$2,084.76	\$865.24	70.67
02153 - Speech Pathology and Audiology Services -	\$0.00	\$1,000.00	\$0.00	\$1,000.00	0.00
02161 - Occupational Therapy-Related Services -	\$7,043.94	\$105,180.00	\$101,212.86	\$3,967.14	96.23
02171 - Physical Therapy-Related Services - SPED -	\$0.00		\$17,211.21	(\$17,211.21)	
02172 - Physical Therapy-Related Services - SPED -	\$0.00		\$1,976.33	(\$1,976.33)	
02173 - Physical Therapy-Related Services - SPED -	\$0.00		\$1,174.85	(\$1,174.85)	
02181 - Visually Impaired-Vision Services - SPED -	\$0.00	\$7,500.00	\$17,604.18	(\$10,104.18)	234.72
02190 - Support Services - Student - Other	\$0.00	\$100,000.00	\$97,096.04	\$2,903.96	97.10
02213 - Instructional Staff Training	\$0.00	\$4,500.00	\$0.00	\$4,500.00	0.00
02220 - Library-Media Services	\$29,362.49	\$394,345.00	\$367,159.34	\$27,185.66	93.11
02230 - Instruction Related Technology	\$0.00	\$25,000.00	\$23,000.00	\$2,000.00	92.00
02310 - Board of Education	\$990.60	\$231,500.00	\$29,505.22	\$201,994.78	12.75
02320 - Executive Administration	\$21,268.61	\$256,747.00	\$239,295.07	\$17,451.93	93.20
02330 - District Legal Services	\$0.00	\$20,000.00	\$8,429.65	\$11,570.35	42.15
02410 - Office of the Principal	\$74,573.46	\$1,028,014.00	\$999,639.56	\$28,374.44	97.24
02490 - Activity Director	\$10,479.81	\$131,424.00	\$126,403.18	\$5,020.82	96.18
02510 - Fiscal Services	\$43,151.23	\$680,663.00	\$477,099.12	\$203,563.88	70.09
02580 - Administrative Technology Service	\$30,675.28	\$433,625.00	\$431,247.95	\$2,377.05	99.45
02610 - Operation of Buildings	\$60,714.50	\$881,802.00	\$928,081.45	(\$46,279.45)	105.25
02620 - Maintenance of Buildings	\$924,950.87	\$743,589.00	\$1,565,907.20	(\$822,318.20)	210.59
02650 - Vehicle Operation and Maintenance (Other	\$1,530.88	\$21,500.00	\$11,944.63	\$9,555.37	55.56
02660 - Security	\$0.00	\$46,000.00	\$97,737.85	(\$51,737.85)	212.47
02670 - Safety	\$165.00		\$1,980.00	(\$1,980.00)	
02710 - Vehicle Operation - Regular Education	\$2,464.88	\$285,755.00	\$287,075.12	(\$1,320.12)	100.46
02712 - Vehicle Operation - School Age SPED	\$2,059.28	\$79,093.00	\$50,763.28	\$28,329.72	64.18
02713 - Vehicle Operation - Below Age 5 SPED	\$0.00	\$15,900.00	\$0.00	\$15,900.00	0.00
02730 - Vehicle Servicing and Maintenance -	\$5,442.16	\$79,786.00	\$68,212.54	\$11,573.46	85.49
02732 - Vehicle Servicing and Maintenance -	\$0.00		\$1,458.62	(\$1,458.62)	
03535 - High Ability Learners	\$9,035.00	\$26,750.00	\$26,749.64	\$0.36	100.00
03599 - State Categorical Programs - Others	\$0.00	\$7,500.00	\$57.88	\$7,442.12	0.77

06200 - Federal Services - Title I Part A ESSA	\$18,147.51	\$203,235.00	\$228,902.03	(\$25,667.03)	112.63
06210 - Federal Services - Title I Part A	\$0.00	\$560.00	\$0.00	\$560.00	0.00
06310 - Federal Services - Title II Part A ESSA	\$22,775.42	\$51,880.00	\$74,659.30	(\$22,779.30)	143.91
06406 - Federal Services - IDEA Preschool (619)	\$31.50	\$19,072.00	\$15,752.10	\$3,319.90	82.59
06408 - Part B 611 Base EP	\$30,353.77	\$355,830.00	\$342,191.30	\$13,638.70	96.17
06412 - Federal Services - IDEA Part B	\$1,215.64	\$50,690.00	\$42,022.55	\$8,667.45	82.90
06421 - IDEA PARTB (611) ARP - Base Poverty	\$4,705.59	\$58,298.00	\$56,539.85	\$1,758.15	96.98
06422 - IDEA PRESCHOOL (619) ARP Base	\$496.13	\$5,302.00	\$5,075.70	\$226.30	95.73
06423 - IDEA Part B ARP SpEd to Age 3 to 21	\$3,625.60		\$7,251.19	(\$7,251.19)	
06690 - Federal Services - Other Federal Non-	\$0.00	\$7,070.00	\$0.00	\$7,070.00	0.00
06700 - Federal Services - Federal Vocational and	\$0.00	\$2,000.00	\$0.00	\$2,000.00	0.00
06969 - Title IV	\$8,205.21	\$2,440.00	\$24,080.02	(\$21,640.02)	986.89
06988 - Expanded Learning Collab Afterschool	\$4,940.98		\$21,614.25	(\$21,614.25)	
06989 - Expanded Learning Collab Summer	\$939.71		\$51,852.57	(\$51,852.57)	
06990 - Federal Services - Other Federal	\$0.00		\$38,000.00	(\$38,000.00)	
06996 - ESSER Disbursements	\$0.00		\$1,930.46	(\$1,930.46)	
06997 - ESSER2 Disbursement	\$0.00		\$22,133.00	(\$22,133.00)	
06998 - ESSER3 Disbursement	\$0.00	\$61,215.00	\$205,966.82	(\$144,751.82)	336.46
08000 - Transfers (Outgoing)	\$0.00	\$200,000.00	\$100,000.00	\$100,000.00	50.00
01 - General Fund	\$2,294,312.54	\$17,799,736.00	\$18,193,405.34	(\$393,669.34)	102%
02190 - Support Services - Student - Other	\$10,384.77	\$630,100.00	\$669,985.89	(\$39,885.89)	106.33
03100 - Food Services Operations	\$0.00		\$54,744.11	(\$54,744.11)	
06 - School Nutrition Fund	\$10,384.77	\$630,100.00	\$724,730.00	(\$94,630.00)	115%
Function	Actuals (Selected	Adopted Budget	Actuals (YTD)	Available	% of Budget
02515 - Building and Sites	\$0.00	\$240,000.00	\$0.00	\$240,000.00	0.00
04700 - Building Improvements	\$0.00		\$45,336.00	(\$45,336.00)	
05000 - Debt Service	\$3,007.54	\$55,000.00	\$36,090.48	\$18,909.52	65.62
06998 - ESSER3 Disbursement	\$338,443.09		\$697,269.68	(\$697,269.68)	
08 - Special Building Fund	\$341,450.63	\$295,000.00	\$778,696.16	(\$483,696.16)	264%
Function	Actuals (Selected	Adopted Budget	Actuals (YTD)	Available	% of Budget
02900 - OTHER SUPPORT SERVICES	\$377,991.08	\$1,020,000.00	\$1,301,114.12	(\$281,114.12)	127.56
02 - Depreciation Fund	\$377,991.08	\$1,020,000.00	\$1,301,114.12	(\$281,114.12)	128%
Function	Actuals (Selected	Adopted Budget	Actuals (YTD)	Available	% of Budget
02520 - Purchasing Warehousing and Distributing	\$0.00	\$5,250.00	\$0.00	\$5,250.00	0.00
03 - Employee Benefit Fund	\$0.00	\$5,250.00	\$0.00	\$5,250.00	0%
Function	Actuals (Selected	Adopted Budget	Actuals (YTD)	Available	% of Budget
05000 - Debt Service	\$0.00	\$421,000.00	\$403,282.50	\$17,717.50	95.79
07 - Bond Fund	\$0.00	\$421,000.00	\$403,282.50	\$17,717.50	96%
Grand Total	\$3,024,139.02	\$20,171,086.00	\$21,401,228.12	(\$1,230,142.12)	106%

McCook Public Schools

Cash Summary Report August 2022 for September Board Meeting

Fund	Description	Beginning Balance	Revenue	Expenditure	Ending Balance	Encumbrances	Available
01	General Fund	\$6,674,062.77	(\$187,007.98)	(\$2,294,312.54)	\$4,192,742.25	\$0.00	\$4,193,591.22
02	Depreciation Fund	\$1,143,537.72	\$999,176.39	(\$377,991.08)	\$1,764,723.03	\$0.00	\$1,764,723.03
03	Employee Benefit Fund	\$137,367.84	\$31.05	\$0.00	\$137,398.89	\$0.00	\$137,398.89
05	Activity Fund	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
06	School Nutrition Fund	\$193,499.09	\$22,108.17	(\$10,384.77)	\$205,222.49	\$0.00	\$204,373.52
07	Bond Fund	\$649,897.04	\$5,595.51	\$0.00	\$655,492.55	\$0.00	\$655,492.55
08	Special Building Fund	\$840,056.16	\$364,295.22	(\$341,450.63)	\$862,900.75	\$0.00	\$862,900.75
Sub Total		\$9,638,420.62	\$1,204,198.36	(\$3,024,139.02)	\$7,818,479.96	\$0.00	\$7,818,479.96

Fund	Description	Beginning Balance	Revenue	Expenditure	Adjustments	Ending Balance
12	Activity Fund	\$354,472.68	\$93,274.76	\$30,683.58	(\$126.00)	\$416,937.86

McCook Public Schools

Voucher by Vendor Report

US BANK August 2022

Voucher Number			Vendor			Amount	
01 AUG			US Bank			\$6,330.92	
Invoice	Payment Vendor	PO Number	Invoice Date	Warrant Number	Item Description	Account Code	Amount
CORWIN	US Bank	22-11622	07/13/2022	53428	Registration for Grant Norgaard for PLC+ by Corwin Conference	01-2-02320-00-330-0-000-10	\$249.00
SPRWAR	US Bank	22-11632	07/11/2022	53428	Sprinkler Warehouse sprinkler heads for track bowl	01-2-02620-00-610-0-000-12	\$622.80
COAST IND	US Bank	22-11626	07/13/2022	53428	Graco-Kit Repair, cntl brd-287689 GRA-287689	01-2-02620-00-610-0-000-12	\$228.02
NEWSTRIPEIN	US Bank	22-11625	07/13/2022	53428	Self Propelled airless striping machine and accessories	01-2-02620-00-610-0-000-12	\$4,982.10
CORWIN	US Bank	22-11622	07/13/2022	53428	Registration for Joel Bednar for PLC+ by Corwin Conference	01-2-06969-00-330-0-000-11	\$249.00
Grand Total							\$6,330.92

McCook Public Schools

Revenues for FY22

[Fund] 01 - General Fund

Account Code	Description	Actual (Date)	Budget (YTD)	Actual (YTD)	Available (YTD)	% of Budget
01-1-01100-00-000-000	Local Property Taxes	(\$7,457,279.95)	(\$7,958,681.00)	(\$7,457,279.95)	(\$501,401.05)	93.69
01-1-01115-00-000-000	Carline Taxes	(\$4,973.14)	(\$5,000.00)	(\$4,973.14)	(\$26.86)	99.46
01-1-01120-00-000-000	Public Power Dist. Sales Tax	(\$285,142.59)	(\$310,000.00)	(\$285,142.59)	(\$24,857.41)	91.98
01-1-01125-00-000-000	Motor Vehicle Taxes	(\$814,030.90)	(\$700,000.00)	(\$814,030.90)	\$114,030.90	116.29
01-1-01323-00-000-000	Tuition - District - Sped	(\$21,000.00)	(\$22,000.00)	(\$21,000.00)	(\$1,000.00)	95.45
01-1-01510-00-000-000	Interest	(\$23,665.72)	(\$22,000.00)	(\$23,665.72)	\$1,665.72	107.57
01-1-01911-00-000-000	Local License Fees	(\$7,200.00)	(\$7,000.00)	(\$7,200.00)	\$200.00	102.85
01-1-01921-00-000-000	Police Court Fines	(\$2,326.00)	(\$6,000.00)	(\$2,326.00)	(\$3,674.00)	38.76
01-1-01960-00-000-000	Other Local Receipts	(\$941.84)	\$0.00	(\$941.84)	\$941.84	0.00
01-1-02110-00-000-000	County Fines & License Fees	(\$48,889.43)	(\$50,000.00)	(\$48,889.43)	(\$1,110.57)	97.77
01-1-02130-00-000-000	Other County Receipts	(\$4,534.70)	\$0.00	(\$4,534.70)	\$4,534.70	0.00
01-1-03110-00-000-000	State Aid	(\$6,067,532.00)	(\$6,067,532.00)	(\$6,067,532.00)	\$0.00	100.00
01-1-03120-00-000-000	Sped School Age	(\$1,033,743.00)	(\$1,100,000.00)	(\$1,033,743.00)	(\$66,257.00)	93.97
01-1-03125-00-000-000	Sped Trans. Sch Age	(\$24,762.00)	\$0.00	(\$24,762.00)	\$24,762.00	0.00
01-1-03130-00-000-000	Homestead Exemption	(\$248,009.14)	(\$180,000.00)	(\$248,009.14)	\$68,009.14	137.78
01-1-03131-00-000-000	Property Tax Credit	(\$478,751.69)	\$0.00	(\$478,751.69)	\$478,751.69	0.00
01-1-03180-00-000-000	Pro Rate Motor Vehicle	(\$29,861.74)	(\$25,000.00)	(\$29,861.74)	\$4,861.74	119.44
01-1-03400-00-000-000	State Apportionment	(\$260,446.10)	(\$265,000.00)	(\$260,446.10)	(\$4,553.90)	98.28
01-1-03512-00-000-000	Distance Educ. Incentive Payments	(\$2,532.84)	(\$2,000.00)	(\$2,532.84)	\$532.84	126.64
01-1-03535-00-000-000	High Ability Learner Payments	(\$9,877.00)	(\$10,000.00)	(\$9,877.00)	(\$123.00)	98.77
01-1-03990-00-000-000	Other State Receipts	(\$3,950.00)	\$0.00	(\$3,950.00)	\$3,950.00	0.00
01-1-04421-00-000-000	IDEA Part B ARP	(\$28,189.00)	(\$57,000.00)	(\$28,189.00)	(\$28,811.00)	49.45
01-1-04422-00-000-000	IDEA Preschool ARP - BASE - EP	(\$2,563.00)	(\$5,000.00)	(\$2,563.00)	(\$2,437.00)	51.26
01-1-04505-00-000-000	Title I Current Fiscal Year	(\$173,466.00)	(\$265,000.00)	(\$173,466.00)	(\$91,534.00)	65.45
01-1-04509-00-000-000	Title II, Part A Teacher Quality	(\$56,661.00)	(\$75,000.00)	(\$56,661.00)	(\$18,339.00)	75.54
01-1-04510-00-000-000	Title IV	(\$24,330.00)	(\$28,000.00)	(\$24,330.00)	(\$3,670.00)	86.89
01-1-04516-00-000-000	IDEA Base 3-5	(\$10,983.00)	(\$16,000.00)	(\$10,983.00)	(\$5,017.00)	68.64
01-1-04518-00-000-000	IDEA - BASE - EP	(\$260,866.00)	(\$350,000.00)	(\$260,866.00)	(\$89,134.00)	74.53
01-1-04521-00-000-000	IDEA Non-Public	(\$39,531.00)	(\$49,000.00)	(\$39,531.00)	(\$9,469.00)	80.67
01-1-04524-00-000-000	Other Federal Non-categorical	\$0.00	(\$13,200.00)	\$0.00	(\$13,200.00)	0.00
01-1-04530-00-000-000	Categorical Grants	\$0.00	(\$3,000.00)	\$0.00	(\$3,000.00)	0.00
01-1-04708-00-000-000	Medicaid In Public Schools	(\$57,727.16)	(\$10,323.00)	(\$57,727.16)	\$47,404.16	559.20
01-1-04709-00-000-000	Medicaid Administrative Activity	\$0.00	(\$1,000.00)	\$0.00	(\$1,000.00)	0.00
01-1-04996-00-000-000	ESSER- CARES ACT	(\$24,739.00)	\$0.00	(\$24,739.00)	\$24,739.00	0.00
01-1-04997-00-000-000	ESSER2	(\$739,295.00)	(\$27,000.00)	(\$739,295.00)	\$712,295.00	2,738.12
01-1-04998-00-000-000	ESSERS III	(\$243,039.00)	(\$170,000.00)	(\$243,039.00)	\$73,039.00	142.96
01-1-05301-00-000-000	Insurance Adjustments	(\$59,149.36)	\$0.00	(\$59,149.36)	\$59,149.36	0.00
01 - General Fund		(\$18,549,988.30)	(\$17,799,736.00)	(\$18,549,988.30)	\$750,252.30	104.21

[Fund] 02 - Depreciation Fund

02-1-01510-00-000-000	Interest	(\$5,842.39)	(\$1,500.00)	(\$5,842.39)	\$4,342.39	389.49
02-1-05200-00-000-000	Transfers From General Fund	(\$998,890.77)	(\$150,000.00)	(\$998,890.77)	\$848,890.77	665.92
02-1-05690-00-000-000	Non-revenue Receipts	(\$10,897.76)	\$0.00	(\$10,897.76)	\$10,897.76	0.00

02 - Depreciation Fund		(\$1,015,630.92)	(\$151,500.00)	(\$1,015,630.92)	\$864,130.92	670.38
[Fund] 03 - Employee Benefit Fund						
Account Code	Description	Actual (Date Range)	Budget (YTD)	Actual (YTD)	Available (YTD)	% of Budget
03-1-01510-00-000-000	Interest - Unemployment	(\$296.43)	(\$250.00)	(\$296.43)	\$46.43	118.57
03-1-05200-00-000-000	Transfers From General Fund	(\$3,120.00)	(\$5,000.00)	(\$3,120.00)	(\$1,880.00)	62.40
03 - Employee Benefit Fund		(\$3,416.43)	(\$5,250.00)	(\$3,416.43)	(\$1,833.57)	65.07
[Fund] 06 - School Nutrition Fund						
Account Code	Description	Actual (Date Range)	Budget (YTD)	Actual (YTD)	Available (YTD)	% of Budget
06-1-01510-00-000-000	Interest	(\$211.94)	(\$100.00)	(\$211.94)	\$111.94	211.94
06-1-01611-00-000-000	School Lunch Program	(\$98,459.91)	(\$310,000.00)	(\$98,459.91)	(\$211,540.09)	31.76
06-1-03150-00-000-000	State Reimbursement	\$0.00	(\$320,000.00)	\$0.00	(\$320,000.00)	0.00
06-1-04210-00-000-000	Federal Reimbursement	(\$647,331.80)	\$0.00	(\$647,331.80)	\$647,331.80	0.00
06-1-05690-00-000-000	Other Non-revenue Receipts	(\$363.58)	\$0.00	(\$363.58)	\$363.58	0.00
06 - School Nutrition Fund		(\$746,367.23)	(\$630,100.00)	(\$746,367.23)	\$116,267.23	118.45
[Fund] 07 - Bond Fund						
Account Code	Description	Actual (Date Range)	Budget (YTD)	Actual (YTD)	Available (YTD)	% of Budget
07-1-01100-00-000-000	Local Property Taxes	(\$379,898.32)	(\$410,000.00)	(\$379,898.32)	(\$30,101.68)	92.65
07-1-01115-00-000-000	Carline Taxes	(\$337.37)	(\$385.00)	(\$337.37)	(\$47.63)	87.62
07-1-01120-00-000-000	Public Power Dist. Sales Tax	(\$19,131.78)	(\$245.00)	(\$19,131.78)	\$18,886.78	7,808.88
07-1-01510-00-000-000	Interest	(\$1,385.46)	(\$570.00)	(\$1,385.46)	\$815.46	243.06
07-1-03130-00-000-000	Homestead Exemption	(\$15,562.49)	(\$8,600.00)	(\$15,562.49)	\$6,962.49	180.95
07-1-03131-00-000-000	Property Tax Credit	(\$22,641.65)	\$0.00	(\$22,641.65)	\$22,641.65	0.00
07-1-03180-00-000-000	Pro Rate Motor Vehicle	(\$1,579.54)	(\$1,200.00)	(\$1,579.54)	\$379.54	131.62
07 - Bond Fund		(\$440,536.61)	(\$421,000.00)	(\$440,536.61)	\$19,536.61	104.64
[Fund] 08 - Special Building Fund						
Account Code	Description	Actual (Date Range)	Budget (YTD)	Actual (YTD)	Available (YTD)	% of Budget
08-1-01100-00-000-000	Local Property Taxes	(\$420,110.27)	(\$450,000.00)	(\$420,110.27)	(\$29,889.73)	93.35
08-1-01115-00-000-000	Carline Taxes	(\$279.60)	(\$150.00)	(\$279.60)	\$129.60	186.40
08-1-01120-00-000-000	Public Power Sales Tax	(\$16,122.44)	(\$1,000.00)	(\$16,122.44)	\$15,122.44	1,612.24
08-1-01510-00-000-000	Interest	(\$2,894.87)	(\$1,000.00)	(\$2,894.87)	\$1,894.87	289.48
08-1-03130-00-000-000	Homestead Exemption	(\$11,708.28)	(\$1,100.00)	(\$11,708.28)	\$10,608.28	1,064.38
08-1-03131-00-000-000	Property Tax Credit	(\$27,069.43)	\$0.00	(\$27,069.43)	\$27,069.43	0.00
08-1-03180-00-000-000	Pro-rate Motor Vehicle	(\$1,687.90)	(\$1,750.00)	(\$1,687.90)	(\$62.10)	96.45
08-1-04998-00-000-000	ARP ESSERS III Special Building	(\$358,826.00)	\$0.00	(\$358,826.00)	\$358,826.00	0.00
08 - Special Building Fund		(\$838,698.79)	(\$455,000.00)	(\$838,698.79)	\$383,698.79	184.33
Grand Total		(\$21,594,638.28)	(\$19,462,586.00)	(\$21,594,638.28)	\$2,132,052.28	110.95

McCook Public Schools

Expenditures for FY22

Function	Actuals (Selected)	Adopted Budget	Actuals (YTD)	Available	% of Budget
01100 - Regular Instruction	\$6,054,638.75	\$6,228,061.00	\$6,054,638.75	\$173,422.25	97.22
01150 - Limited English Proficiency Programs	\$210,147.87	\$233,645.00	\$210,147.87	\$23,497.13	89.94
01160 - Poverty Programs	\$1,788,913.15	\$1,793,792.00	\$1,788,913.15	\$4,878.85	99.73
01190 - Early Childhood Educational Programs	\$2,245.49	\$2,500.00	\$2,245.49	\$254.51	89.82
01200 - Special Education Instructional Programs -	\$2,172,213.01	\$2,128,548.00	\$2,172,213.01	(\$43,665.01)	102.05
01291 - Special Education Instructional Programs -	\$2,341.36		\$2,341.36	(\$2,341.36)	
01295 - Special Education Instructional Programs -	\$1,120.54	\$1,141.00	\$1,120.54	\$20.46	98.21
01300 - Summer School	\$63,773.63	\$49,950.00	\$63,773.63	(\$13,823.63)	127.67
02110 - Attendance/Social Work	\$29,167.20	\$35,000.00	\$29,167.20	\$5,832.80	83.33
02120 - Guidance Services	\$218,138.81	\$259,493.00	\$218,138.81	\$41,354.19	84.06
02130 - Health Services	\$3,924.41	\$5,100.00	\$3,924.41	\$1,175.59	76.95
02131 - SPED Health Services	\$41,458.52	\$69,345.00	\$41,458.52	\$27,886.48	59.79
02141 - Psychological Services - SPED - School	\$157,555.55	\$146,507.00	\$157,555.55	(\$11,048.55)	107.54
02151 - Speech Pathology and Audiology Services -	\$229,688.38	\$218,939.00	\$229,688.38	(\$10,749.38)	104.91
02152 - Speech Pathology and Audiology Services -	\$2,084.76	\$2,950.00	\$2,084.76	\$865.24	70.67
02153 - Speech Pathology and Audiology Services -	\$0.00	\$1,000.00	\$0.00	\$1,000.00	0.00
02161 - Occupational Therapy-Related Services -	\$101,212.86	\$105,180.00	\$101,212.86	\$3,967.14	96.23
02171 - Physical Therapy-Related Services - SPED -	\$17,211.21		\$17,211.21	(\$17,211.21)	
02172 - Physical Therapy-Related Services - SPED -	\$1,976.33		\$1,976.33	(\$1,976.33)	
02173 - Physical Therapy-Related Services - SPED -	\$1,174.85		\$1,174.85	(\$1,174.85)	
02181 - Visually Impaired-Vision Services - SPED -	\$17,604.18	\$7,500.00	\$17,604.18	(\$10,104.18)	234.72
02190 - Support Services - Student - Other	\$97,096.04	\$100,000.00	\$97,096.04	\$2,903.96	97.10
02213 - Instructional Staff Training	\$0.00	\$4,500.00	\$0.00	\$4,500.00	0.00
02220 - Library-Media Services	\$367,159.34	\$394,345.00	\$367,159.34	\$27,185.66	93.11
02230 - Instruction Related Technology	\$23,000.00	\$25,000.00	\$23,000.00	\$2,000.00	92.00
02310 - Board of Education	\$29,505.22	\$231,500.00	\$29,505.22	\$201,994.78	12.75
02320 - Executive Administration	\$239,295.07	\$256,747.00	\$239,295.07	\$17,451.93	93.20
02330 - District Legal Services	\$8,429.65	\$20,000.00	\$8,429.65	\$11,570.35	42.15
02410 - Office of the Principal	\$999,639.56	\$1,028,014.00	\$999,639.56	\$28,374.44	97.24
02490 - Activity Director	\$126,403.18	\$131,424.00	\$126,403.18	\$5,020.82	96.18
02510 - Fiscal Services	\$477,099.12	\$680,663.00	\$477,099.12	\$203,563.88	70.09
02580 - Administrative Technology Service	\$431,247.95	\$433,625.00	\$431,247.95	\$2,377.05	99.45
02610 - Operation of Buildings	\$928,081.45	\$881,802.00	\$928,081.45	(\$46,279.45)	105.25
02620 - Maintenance of Buildings	\$1,565,907.20	\$743,589.00	\$1,565,907.20	(\$822,318.20)	210.59
02650 - Vehicle Operation and Maintenance (Other	\$11,944.63	\$21,500.00	\$11,944.63	\$9,555.37	55.56
02660 - Security	\$97,737.85	\$46,000.00	\$97,737.85	(\$51,737.85)	212.47
02670 - Safety	\$1,980.00		\$1,980.00	(\$1,980.00)	
02710 - Vehicle Operation - Regular Education	\$287,075.12	\$285,755.00	\$287,075.12	(\$1,320.12)	100.46
02712 - Vehicle Operation - School Age SPED	\$50,763.28	\$79,093.00	\$50,763.28	\$28,329.72	64.18
02713 - Vehicle Operation - Below Age 5 SPED	\$0.00	\$15,900.00	\$0.00	\$15,900.00	0.00
02730 - Vehicle Servicing and Maintenance -	\$68,212.54	\$79,786.00	\$68,212.54	\$11,573.46	85.49
02732 - Vehicle Servicing and Maintenance -	\$1,458.62		\$1,458.62	(\$1,458.62)	
03535 - High Ability Learners	\$26,749.64	\$26,750.00	\$26,749.64	\$0.36	100.00
03599 - State Categorical Programs - Others	\$57.88	\$7,500.00	\$57.88	\$7,442.12	0.77

06200 - Federal Services - Title I Part A ESSA	\$228,902.03	\$203,235.00	\$228,902.03	(\$25,667.03)	112.63
06210 - Federal Services - Title I Part A	\$0.00	\$560.00	\$0.00	\$560.00	0.00
06310 - Federal Services - Title II Part A ESSA	\$74,659.30	\$51,880.00	\$74,659.30	(\$22,779.30)	143.91
06406 - Federal Services - IDEA Preschool (619)	\$15,752.10	\$19,072.00	\$15,752.10	\$3,319.90	82.59
06408 - Part B 611 Base EP	\$342,191.30	\$355,830.00	\$342,191.30	\$13,638.70	96.17
06412 - Federal Services - IDEA Part B	\$42,022.55	\$50,690.00	\$42,022.55	\$8,667.45	82.90
06421 - IDEA PARTB (611) ARP - Base Poverty	\$56,539.85	\$58,298.00	\$56,539.85	\$1,758.15	96.98
06422 - IDEA PRESCHOOL (619) ARP Base	\$5,075.70	\$5,302.00	\$5,075.70	\$226.30	95.73
06423 - IDEA Part B ARP SpEd to Age 3 to 21	\$7,251.19		\$7,251.19	(\$7,251.19)	
06690 - Federal Services - Other Federal Non-	\$0.00	\$7,070.00	\$0.00	\$7,070.00	0.00
06700 - Federal Services - Federal Vocational and	\$0.00	\$2,000.00	\$0.00	\$2,000.00	0.00
06969 - Title IV	\$24,080.02	\$2,440.00	\$24,080.02	(\$21,640.02)	986.89
06988 - Expanded Learning Collab Afterschool	\$21,614.25		\$21,614.25	(\$21,614.25)	
06989 - Expanded Learning Collab Summer	\$51,852.57		\$51,852.57	(\$51,852.57)	
06990 - Federal Services - Other Federal	\$38,000.00		\$38,000.00	(\$38,000.00)	
06996 - ESSER Disbursements	\$1,930.46		\$1,930.46	(\$1,930.46)	
06997 - ESSER2 Disbursement	\$22,133.00		\$22,133.00	(\$22,133.00)	
06998 - ESSER3 Disbursement	\$205,966.82	\$61,215.00	\$205,966.82	(\$144,751.82)	336.46
08000 - Transfers (Outgoing)	\$100,000.00	\$200,000.00	\$100,000.00	\$100,000.00	50.00
01 - General Fund	\$18,193,405.34	\$17,799,736.00	\$18,193,405.34	(\$393,669.34)	102%
02190 - Support Services - Student - Other	\$669,985.89	\$630,100.00	\$669,985.89	(\$39,885.89)	106.33
03100 - Food Services Operations	\$54,744.11		\$54,744.11	(\$54,744.11)	
06 - School Nutrition Fund	\$724,730.00	\$630,100.00	\$724,730.00	(\$94,630.00)	115%
Function	Actuals (Selected	Adopted Budget	Actuals (YTD)	Available	% of Budget
02515 - Building and Sites	\$0.00	\$240,000.00	\$0.00	\$240,000.00	0.00
04700 - Building Improvements	\$45,336.00		\$45,336.00	(\$45,336.00)	
05000 - Debt Service	\$36,090.48	\$55,000.00	\$36,090.48	\$18,909.52	65.62
06998 - ESSER3 Disbursement	\$697,269.68		\$697,269.68	(\$697,269.68)	
08 - Special Building Fund	\$778,696.16	\$295,000.00	\$778,696.16	(\$483,696.16)	264%
Function	Actuals (Selected	Adopted Budget	Actuals (YTD)	Available	% of Budget
02900 - OTHER SUPPORT SERVICES	\$1,301,114.12	\$1,020,000.00	\$1,301,114.12	(\$281,114.12)	127.56
02 - Depreciation Fund	\$1,301,114.12	\$1,020,000.00	\$1,301,114.12	(\$281,114.12)	128%
Function	Actuals (Selected	Adopted Budget	Actuals (YTD)	Available	% of Budget
02520 - Purchasing Warehousing and Distributing	\$0.00	\$5,250.00	\$0.00	\$5,250.00	0.00
03 - Employee Benefit Fund	\$0.00	\$5,250.00	\$0.00	\$5,250.00	0%
Function	Actuals (Selected	Adopted Budget	Actuals (YTD)	Available	% of Budget
05000 - Debt Service	\$403,282.50	\$421,000.00	\$403,282.50	\$17,717.50	95.79
07 - Bond Fund	\$403,282.50	\$421,000.00	\$403,282.50	\$17,717.50	96%
Grand Total	\$21,401,228.12	\$20,171,086.00	\$21,401,228.12	(\$1,230,142.12)	106%

McCook Public Schools

Cash Summary Report FY22

Fund	Description	Beginning Balance	Revenue	Expenditure	Ending Balance	Encumbrances	Available
01	General Fund	\$3,836,983.04	\$18,549,988.30	(\$18,193,405.34)	\$4,192,742.25	\$0.00	\$4,193,591.22
02	Depreciation Fund	\$2,050,206.23	\$1,015,630.92	(\$1,301,114.12)	\$1,764,723.03	\$0.00	\$1,764,723.03
03	Employee Benefit Fund	\$133,982.46	\$3,416.43	\$0.00	\$137,398.89	\$0.00	\$137,398.89
05	Activity Fund	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
06	School Nutrition Fund	\$182,736.29	\$746,367.23	(\$724,730.00)	\$205,222.49	\$0.00	\$204,373.52
07	Bond Fund	\$618,238.44	\$440,536.61	(\$403,282.50)	\$655,492.55	\$0.00	\$655,492.55
08	Special Building Fund	\$802,898.12	\$838,698.79	(\$778,696.16)	\$862,900.75	\$0.00	\$862,900.75
Sub Total		\$7,625,044.58	\$21,594,638.28	(\$21,401,228.12)	\$7,818,479.96	\$0.00	\$7,818,479.96

Fund	Description	Beginning Balance	Revenue	Expenditure	Adjustments	Ending Balance
12	Activity Fund	\$343,909.27	\$621,186.03	\$547,398.04	\$759.40	\$416,937.86

Adjustment Detail

Detail report. Sorted by Group ID.
From 08/01/2022 to 08/31/2022.

Group	Group Description					
Activity ID	Activity Name	Site ID	Adj. Date	Description		Amount
A	Athletics					
131-3010	Boys BB	MPS	08/31/2022	Close out 2021-2022 school year		\$ 20.00
141-3010	Boys Wrestling	MPS	08/31/2022	Close out 2021-2022 school year		\$ 864.00
110-4010	Football Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 2,141.94
120-4010	Volleyball Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 765.00
131-4010	Boys BB Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,130.00
132-4010	Girls BB Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,640.00
141-4010	Boys Wrestling	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,608.00
151-4010	Boys Track Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 2,278.00
152-4010	Girls Track Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,956.00
157-4010	Girls CC Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 152.00
158-4010	Boys CC Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 88.00
159-4010	Boys Golf Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 486.00
160-4010	Girls Golf Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 240.00
160-4010	Girls Golf Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 240.00
160-4010	Girls Golf Meals	MPS	08/31/2022	Fix double post for 21-22 FY		-\$ 240.00
179-4010	Boys Tennis Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 704.00
180-4010	Girls Tennis Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 792.00
190-4010	Swimming Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,632.00
191-4010	Softball Meals	MPS	08/31/2022	Close out 2021-2022 school year		\$ 495.83
110-5010	Football Lodging	MPS	08/31/2022	Close out 2021-2022 school year		\$ 224.14
120-5010	Volleyball Lodging	MPS	08/31/2022	Close out 2021-2022 school year		\$ 420.00
131-5010	Boys BB Lodging	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,546.26
132-5010	Girls BB Lodging	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,546.26
141-5010	Boys Wrestling	MPS	08/31/2022	Close out 2021-2022 school year		\$ 4,824.84
151-5010	Boys Track Lodging	MPS	08/31/2022	Close out 2021-2022 school year		\$ 2,085.66
152-5010	Girls Track Lodging	MPS	08/31/2022	Close out 2021-2022 school year		\$ 2,085.66
159-5010	Boys Golf Lodging	MPS	08/31/2022	Close out 2021-2022 school year		\$ 2,117.32
179-5010	Boys Tennis	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,203.71
180-5010	Girls Tennis	MPS	08/31/2022	Close out 2021-2022 school year		\$ 960.00
190-5010	Swimming Lodging	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,824.00
191-5010	Softball Lodging	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,030.00
110-6010	Football Officials	MPS	08/31/2022	Close out 2021-2022 school year		\$ 4,480.00
120-6010	Volleyball Officials	MPS	08/31/2022	Close out 2021-2022 school year		\$ 5,305.00
131-6010	Boys BB Officials	MPS	08/31/2022	Close out 2021-2022 school year		\$ 3,975.00
132-6010	Girls BB Officials	MPS	08/31/2022	Close out 2021-2022 school year		\$ 3,290.00
141-6010	Boys Wrestling	MPS	08/31/2022	Close out 2021-2022 school year		\$ 2,340.00
151-6010	Boys Track Officials	MPS	08/31/2022	Close out 2021-2022 school year		\$ 685.00
152-6010	Girls Track Officials	MPS	08/31/2022	Close out 2021-2022 school year		\$ 685.00
159-6010	Boys Golf Officials	MPS	08/31/2022	Close out 2021-2022 school year		\$ 672.00
190-6010	Swimming Officials	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,050.00
191-6010	Softball Officials	MPS	08/31/2022	Close out 2021-2022 school year		\$ 5,930.00
120-7010	Volleyball Entry	MPS	08/31/2022	Close out 2021-2022 school year		\$ 395.00
131-7010	Boys BB Entry	MPS	08/31/2022	Close out 2021-2022 school year		\$ 70.00
141-7010	Boys Wrestling	MPS	08/31/2022	Close out 2021-2022 school year		\$ 895.00
151-7010	Boys Track Entry	MPS	08/31/2022	Close out 2021-2022 school year		\$ 792.50
152-7010	Girls Track Entry	MPS	08/31/2022	Close out 2021-2022 school year		\$ 792.50
157-7010	Girls CC Entry	MPS	08/31/2022	Close out 2021-2022 school year		\$ 425.00
158-7010	Boys CC Entry	MPS	08/31/2022	Close out 2021-2022 school year		\$ 425.00
159-7010	Boys Golf Entry	MPS	08/31/2022	Close out 2021-2022 school year		\$ 830.00
160-7010	Girls Golf Entry	MPS	08/31/2022	Close out 2021-2022 school year		\$ 865.00
160-7010	Girls Golf Entry	MPS	08/31/2022	Close out 2021-2022 school year		\$ 865.00

Adjustment Detail

Detail report. Sorted by Group ID.
From 08/01/2022 to 08/31/2022.

Group	Group Description					
Activity ID	Activity Name	Site ID	Adj. Date	Description		Amount
160-7010	Girls Golf Entry	MPS	08/31/2022	Fix double post for 21-22 FY		-\$ 865.00
179-7010	Boys Tennis Entry	MPS	08/31/2022	Close out 2021-2022 school year		\$ 310.00
180-7010	Girls Tennis Entry	MPS	08/31/2022	Close out 2021-2022 school year		\$ 355.00
190-7010	Swimming Entry	MPS	08/31/2022	Close out 2021-2022 school year		\$ 550.00
191-7010	Softball Entry Fees	MPS	08/31/2022	Close out 2021-2022 school year		\$ 450.00
151-8020	Boys Track	MPS	08/31/2022	Close out 2021-2022 school year		\$ 300.00
152-8020	Girls Track	MPS	08/31/2022	Close out 2021-2022 school year		\$ 300.00
157-8020	Girls CC	MPS	08/31/2022	Close out 2021-2022 school year		\$ 120.00
158-8020	Boys CC	MPS	08/31/2022	Close out 2021-2022 school year		\$ 120.00
159-8020	Boys Golf	MPS	08/31/2022	Close out 2021-2022 school year		\$ 2,040.00
160-8020	Girls Golf	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,420.00
160-8020	Girls Golf	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,420.00
160-8020	Girls Golf	MPS	08/31/2022	Fix double post for 21-22 FY		-\$ 1,420.00
190-8020	Swimming	MPS	08/31/2022	Close out 2021-2022 school year		\$ 2,500.00
191-8020	Softball	MPS	08/31/2022	Close out 2021-2022 school year		\$ 400.00
110-8050	Football	MPS	08/31/2022	Close out 2021-2022 school year		\$ 5,372.00
110-8061	Football State	MPS	08/31/2022	Close out 2021-2022 school year		\$ 809.00
120-8061	Volleyball State	MPS	08/31/2022	Close out 2021-2022 school year		\$ 400.00
131-8061	Boys BB State	MPS	08/31/2022	Close out 2021-2022 school year		\$ 45.00
132-8061	Girls BB State	MPS	08/31/2022	Close out 2021-2022 school year		\$ 200.00
160-8061	Girls Golf State	MPS	08/31/2022	Close out 2021-2022 school year		\$ 200.00
160-8061	Girls Golf State	MPS	08/31/2022	Close out 2021-2022 school year		\$ 200.00
160-8061	Girls Golf State	MPS	08/31/2022	Fix double post for 21-22 FY		-\$ 200.00
179-8061	Boys Tennis State	MPS	08/31/2022	Close out 2021-2022 school year		\$ 200.00
191-8061	Softball State	MPS	08/31/2022	Close out 2021-2022 school year		\$ 200.00
100-8070	First Aid Supplies	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,468.08
100-9000	Awards	MPS	08/31/2022	Close out 2021-2022 school year		\$ 30.33
110-9001	Football	MPS	08/31/2022	Close out 2021-2022 school year		\$ 27.19
120-9001	Volleyball	MPS	08/31/2022	Close out 2021-2022 school year		\$ 146.06
141-9001	Boys Wrestling	MPS	08/31/2022	Close out 2021-2022 school year		\$ 277.15
151-9001	Boys Track	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,153.85
152-9001	Girls Track	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,153.84
157-9001	Girls CC	MPS	08/31/2022	Close out 2021-2022 school year		\$ 124.00
158-9001	Boys CC	MPS	08/31/2022	Close out 2021-2022 school year		\$ 124.00
159-9001	Boys Golf	MPS	08/31/2022	Close out 2021-2022 school year		\$ 68.85
160-9001	Girls Golf	MPS	08/31/2022	Close out 2021-2022 school year		\$ 40.80
160-9001	Girls Golf	MPS	08/31/2022	Close out 2021-2022 school year		\$ 40.80
160-9001	Girls Golf	MPS	08/31/2022	Fix double post for 21-22 FY		-\$ 40.80
179-9001	Boys Tennis	MPS	08/31/2022	Close out 2021-2022 school year		\$ 61.20
180-9001	Girls Tennis	MPS	08/31/2022	Close out 2021-2022 school year		\$ 61.20
190-9001	Swimming	MPS	08/31/2022	Close out 2021-2022 school year		\$ 395.46
191-9001	Softball	MPS	08/31/2022	Close out 2021-2022 school year		\$ 154.00
131-9010	Boys BB Other	MPS	08/31/2022	Close out 2021-2022 school year		\$ 350.96
100-9012	AD Conferences	MPS	08/31/2022	Close out 2021-2022 school year		\$ 767.90
110-9013	Football Coaches	MPS	08/31/2022	Close out 2021-2022 school year		\$ 224.14
120-9013	Volleyball Coaches	MPS	08/31/2022	Close out 2021-2022 school year		\$ 789.18
131-9013	Boys BB Coaches	MPS	08/31/2022	Close out 2021-2022 school year		\$ 477.00
132-9013	Girls BB Coaches	MPS	08/31/2022	Close out 2021-2022 school year		\$ 830.00
100-9014	Office Expenses	MPS	08/31/2022	Close out 2021-2022 school year		\$ 14,546.53
100-9016	Banquet/Hospitality	MPS	08/31/2022	Close out 2021-2022 school year		\$ 3,623.06
100-9017	NSAA/Conference	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,770.00
100-9019	Transportation/Mea	MPS	08/31/2022	Close out 2021-2022 school year		\$ 5,274.93
100-9020	Reimburseables	MPS	08/31/2022	Close out 2021-2022 school year		\$ 321.02

Adjustment Detail

Detail report. Sorted by Group ID.
From 08/01/2022 to 08/31/2022.

Group	Group Description					
Activity ID	Activity Name	Site ID	Adj. Date	Description		Amount
100-1000	Transfer from	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 40,500.00
110-1010	Football Gate	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 14,820.20
120-1010	Volleyball Gate	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 6,851.42
131-1010	Boys BB Gate	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 5,751.00
132-1010	Girls BB Gate	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 5,307.18
141-1010	Boys Wrestling	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 2,964.20
151-1010	Boys Track Gate	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 836.00
152-1010	Girls Track Gate	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 836.00
191-1010	Softball Gate	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 3,320.00
158-1010	Boys CC Gate	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 833.50
157-1010	Girls CC Gate	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 833.50
192-1011	Unfied Bowling	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 108.00
192-1013	Unified Bowling	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 812.00
192-1021	Unified Bowling	MPS	08/31/2022	Close out 2021-2022 school year		\$ 754.00
132-1030	GBB Entry Fee	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 70.00
141-1030	Boys Wrestling	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 1,130.00
151-1030	Boys Track Entry	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 800.00
152-1030	Girls Track Entry	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 800.00
157-1030	Girls CC Entry Fee	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 465.00
158-1030	Boys CC Entry Fee	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 465.00
159-1030	Boys Golf Entry	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 810.00
160-1030	Girls Golf Entry Fee	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 600.00
160-1030	Girls Golf Entry Fee	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 600.00
160-1030	Girls Golf Entry Fee	MPS	08/31/2022	Fix double post for 21-22 FY		\$ 600.00
179-1030	Boys Tennis Entry	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 200.00
191-1030	Softball Entry Fee	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 600.00
190-1031	Swimming Entry	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 375.00
100-1060	Activity Tickets	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 21,017.27
100-1080	Host Outside	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 7,873.24
110-2000	Football Equipment	MPS	08/31/2022	Close out 2021-2022 school year		\$ 16,032.37
120-2000	Volleyball	MPS	08/31/2022	Close out 2021-2022 school year		\$ 711.14
131-2000	Boys BB	MPS	08/31/2022	Close out 2021-2022 school year		\$ 3,455.75
132-2000	Girls BB Equipment	MPS	08/31/2022	Close out 2021-2022 school year		\$ 820.76
141-2000	Boys Wrestling	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,663.40
151-2000	Boys Track	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,487.10
152-2000	Girls Track	MPS	08/31/2022	Close out 2021-2022 school year		\$ 184.30
157-2000	Girls CC Equipment	MPS	08/31/2022	Close out 2021-2022 school year		\$ 712.25
158-2000	Boys CC	MPS	08/31/2022	Close out 2021-2022 school year		\$ 712.29
159-2000	Boys Golf	MPS	08/31/2022	Close out 2021-2022 school year		\$ 758.45
160-2000	Girls Golf	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,646.95
160-2000	Girls Golf	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,646.95
160-2000	Girls Golf	MPS	08/31/2022	Fix double post for 21-22 FY		-\$ 1,646.95
179-2000	Boys Tennis	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,206.77
180-2000	Girls Tennis	MPS	08/31/2022	Close out 2021-2022 school year		\$ 635.60
190-2000	Swimming	MPS	08/31/2022	Close out 2021-2022 school year		\$ 484.42
191-2000	Softball Equipment	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,902.76
142-2000	Girls Wrestling	MPS	08/31/2022	Close out 2021-2022 school year		\$ 5,552.53
142-4010	Girls Wrestling	MPS	08/31/2022	Close out 2021-2022 school year		\$ 520.00
142-5010	Girls Wrestling	MPS	08/31/2022	Close out 2021-2022 school year		\$ 1,482.00
142-7010	Girls Wrestling	MPS	08/31/2022	Close out 2021-2022 school year		\$ 332.00
142-9001	Girls Wrestling	MPS	08/31/2022	Close out 2021-2022 school year		\$ 360.25
Group A Totals:						\$ 43,750.93

Adjustment Detail

Detail report. Sorted by Group ID.
From 08/01/2022 to 08/31/2022.

Group	Group Description					Amount
Activity ID	Activity Name	Site ID	Adj. Date	Description		
B	Organizations					
253-2053	CIRCLE OF	MPS	08/19/2022	Circle of Friends		\$ 1,000.00
272-2072	Special Education	MPS	08/19/2022	Circle of Friends		-\$ 1,000.00
Group B Totals:						\$ 0.00
M	Special Accounts					
948-9048	Technology	MPS	08/25/2022	NSF returned check		-\$ 43.00
948-9048	Technology	MPS	08/25/2022	NSF returned check		-\$ 83.00
949-9049	Capital	MPS	08/31/2022	Close out 2021-2022 school year		-\$ 47,563.68
949-9049	Capital	MPS	08/31/2022	Fix double post for 21-22 FY		\$ 3,812.75
Group M Totals:						-\$ 43,876.93
Report Totals :						-\$ 126.00

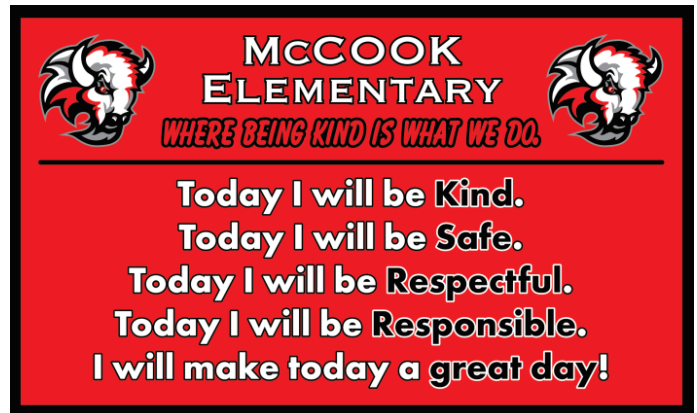
McCook School Board Report
September 12, 2022
Special Education Dept., John Hanson, Director

- 1) Working on getting all of our paraeducator staff “highly qualified” by passing assessments offered through the “Paraeducator Now” online learning program by the end of the year. According to Rule 10, all paras that work with kids must be highly qualified, meaning either an obtained associates degree or be able to pass the basic skills assessment.
- 2) I have gone to the Junior High staff meeting on August 31st and will go to the High School staff meeting on Sept. 21st to present briefly (20ish minutes) on “What every regular classroom teacher should know about special education.” This presentation has been encouraged by the state Director of Special Education who prepared and presented this presentation at Administrator’s Days conference at the end of July in Kearney. The building level sped team at each of the schools is helping prepare the most essential learnings from the presentation to get it to a 15-20 minute presentation.
- 3) The early childhood team is presenting on Tuesday, Sept. 20th on their child find efforts and general information about early childhood education at MPS to the McCook Rotary Club.
- 4) It is becoming more and more difficult to find quality paraeducators. Two of the eleven paraeducators that we hired this year have had terrible attendance to begin the school year. One of them has resigned after we told her her attendance needed to improve. Thank you to the existing paraeducators and teachers who have picked up the slack when we are short handed.
- 5) A group of special educators (SLPs, OT, resource teachers) from MPS has been selected to attend a comprehensive staff development program with the NE Autism Spectrum Disorders (ASD) Network focusing on working effectively with children who have significant cognitive delays. It is all online, but a 2-3 hour once a month training. It was competitive to get into. Thanks to Lydia Fordham , K-3 SLP, for applying on behalf of MPS. Should be a great learning opportunity for the team. The first session is Tuesday, Sept. 27th. Only one team per region (5 regions in the state) was chosen.

McCook Elementary Board Report August 2022

1. Enrollment:

PreK 3-Year-Olds	17
Prek 4-Year-Olds	17
Kindergarten	92
1st Grade	96
2nd Grade	91
3rd Grade	79
Total	398



2. Curriculum/Instruction

- a. Teachers participated in a day of Math Learning on August 10th.
- b. Our teachers will be focusing on our essential learning outcomes this year with a greater urgency and importance.
- c. Bison Kids Club (BKC) will begin on the 1st day of school. Students were sent invitation letters back in June. Currently we have 17 of the 40 students confirmed and continue to get more each day.

3. General Announcements

- a. New intercom has been installed. This will help us with communication during emergency situations.
- b. Sensory Path has been installed and looks great.
- c. The office received a face lift with a new paint color. Looks great!
- d. New picnic tables were delivered to be used outside for educational purposes and used for lunch periodically to allow kiddos to spread out.
- e. Mr. Barger and Mrs. Koetter has been working these past few weeks in getting their rooms prepared for the beginning of the year. Welcome to these two new teachers.
- f. We hired 6 new paraprofessionals this past week.
- g. Thank you to the maintenance department for all their hard work this summer. They have done an excellent job with all that was handed to them.
- h. Thank you Justin Malleck for your hard work this summer in getting our school building prepared for the school year. Looks great!

4. PTO News

- a. No updates at this time.

604 West 1st,
McCook, NE 69001
308-344-4400 Ex. 3



Principal: Joel Bednar
jbednar@mccookbison.org
Secretary: Kim Lyons
klyons@mccookbison.org
Counselor: Debbie Arp
debbie.arp@mccookbison.org

4th Grade	100
5th Grade	97
Total	197

Central Elementary:

- Fall Festival is Friday, October 14, 2022 from 5:00-7:00PM. You're all more than invited!
- Administrators are doing a tailgate party on Friday, September 30 before the football game. We are grilling hotdogs/hamburgers and doing yard games. You're more than welcome to attend!
- This year, we have committees meeting and I am delegating out some responsibilities in relation to Fall Festival, Veterans Day, and positive behavior/morale. In the past, this has fallen on me and wanting to get more people involved and owning what we do as a school.
- Our two new teachers (Mr. Gillen and Miss Scott) are off to a great start here at MPS! They're settling in and doing a great job.
- We are finishing up our Aimsweb and MapGrowth testing. There are some kiddos that are behind their peers and we have a lot of work to catch them up! Most of our 13 move ins are behind grade level...some significantly.
- We are going to a few career fairs to get our names out there a bit in the coming weeks to help with our teacher shortage.

Junior High Board Report
August 31, 2022
Chad Lyons, Principal

1. Sixth-grade and new students to the junior high building orientation was presented by Mrs. Bass. Eighty-six percent of our sixth-grade students attended orientation.
2. 504 parent meetings were organized by Mrs. Barger in preparation for the school year.
3. Building preparations were being finalized for our first day with students.
4. Lifetouch conducted picture day.
5. Parents and students were encouraged to attend the junior high open house. Only one staff member was not present from both the junior high and senior high. The staff member was fulfilling a professional responsibility. Sixty-five sixth grade student/parents (63%), forty-one seventh grade student/parents (38%), and twenty-eighth grade student/parents (21%), attended our open house.
6. Tornado, bus evacuation, fire, hold, secure, lockdown, and evacuation practice drills were completed.
7. The first two days of school were beneficial for our students.
8. All grades completed the AIMSWebb fall math and reading assessments.
9. Students completed the NWEA MAPSGrowth math 7, math 8, science 7, science 8, and language 6 assessments.
10. Fall sports practices started.
11. Attendance= 6th- 104, 7th- 107, 8th- 95

September 12th, 2022

SH Board Report

Senior High, Craig Dickes, Principal

August 2022 Summary

Enrollment numbers: 9th -132, 10th -107, 11th - 110, 12th - 127. Total = 476

AVG Daily Attendance for Current Year is 98.32%

- Activity 954 periods
 - Excused 1457 periods
 - Illness 934 periods
 - Waivered ILL 284 periods
 - Exempt from School 9 periods
 - Quarantine 0 periods
 - Out of School Suspension 134 periods
 - Unexcused 143 periods
-
- Student Discipline for August 2022
 - Attendance Violation 38 Events by 22 Students
 - Disorderly conduct 1 events by 1 students
 - Violation of School Rules 0 events by 0 students
 - Alcohol/Tobacco 1 event by 1 student
 - Insubordination 1 event by 1 student
 - Weapons/Battery/Fighting 0 events by 0 students

Homecoming activities have been well attended and gone very smoothly.

We are prepared to move the dance inside if we have to due to weather.

We have Connect the Dots coming up for our Sophomores on September 21st and a college fair for our upperclassmen in September as well.

McCook High School Clubs and Organizations Activity Report

Art

August

- Beginning in September

September

- Meetings

Bison eSports

August

- Held summer cup sessions
 - Winner won an Amiibo (will be re-evaluating for next year)
- Contacted Sales for new jerseys
- Held first meeting
- Practice begins 8/30, fall season starts 8/12

September

-

Bison Tech - Social Media

August

- inactive

September

- inactive

Bison Tech - Support

August

- Team members assisted with classroom setup, registration and device inspections.
- Activity Fair Booth

September

- Sept 7 Workday - Junior High Carts
- Assisted with Homecoming Pep Rally

Choir

August

- Select Choir auditions took place. 22 students were selected.
- All choirs are working on music for the Fall Concert.
- 5-10 students are planning on auditioning for the Nebraska All-State Honor Choir in September.

September

- All-State auditions September 22-24

Class of 2023

- Held a class meeting to discuss their financial status and what is needed to pull off Graduation.
- Plans are underway for Homecoming hallway decorations

Creative Writing Club

August

-

September

- Organizational meeting- Author Advice

FBLA

August

- 08/25 First meeting of the school year(only for current members)

September

- 09/08 Meeting
- 09/17 Highway clean up

-

Interact

August

-

September

- Will start the senior leadership class on Sept 14. Brandi Hagemann from the Red Willow Extension office will be leading this year! Interact will plan a meeting for the following week. We did sponsor the Red Cross Bloodmobile on Sept 7. We did meet and exceed our goal!

Math Club

August

- First meeting in September.

September

- We held our September meeting and elected club officers. We have started making plans for the fall Brain Bowl.

McCook Bison.TV

August

- Live Streaming is back on YouTube.
 - Live streamed 4 events with a total of over 2,000 views.
- We will be live streaming all of the middle school and high school volleyball/football games.

- Kyson Barger and Kolin Werkmeister are broadcasting our home football games.
- Flew the drone for footage of the new track.

September

- Created videos for all of the volleyball players to be played on the big screen in the gym.
- Continue to live stream our events along with producing content that will promote McCook Public Schools.

Mock Trial

August

- We will begin in September

September

- We will have our first meeting next week. Members are reading through the case currently.

National Honor Society

August

-

September

- Inviting new members

Newspaper

August

- Students observed classrooms to begin the process of story sources
- Students are learning the process of interviews

September

- Students will begin the writing process
- Develop a website for a digital newspaper

One-Act (Play Production):

August

-

September

- Working on choosing a script
- Contest Dates:
 - Nov 10-Cozad
 - Nov 15-Gothenburg
 - Nov 19-Minden
 - Nov 21-SWC @ Valentine
 - Nov 28 or 29 Dec 1-3 Districts Date, location, time TBD
 - Public performance TBD
 - School performance? TBD

Thespians:

August

-

September

- Will have our first meeting this month.
- Will run concessions at two 8th grade football games

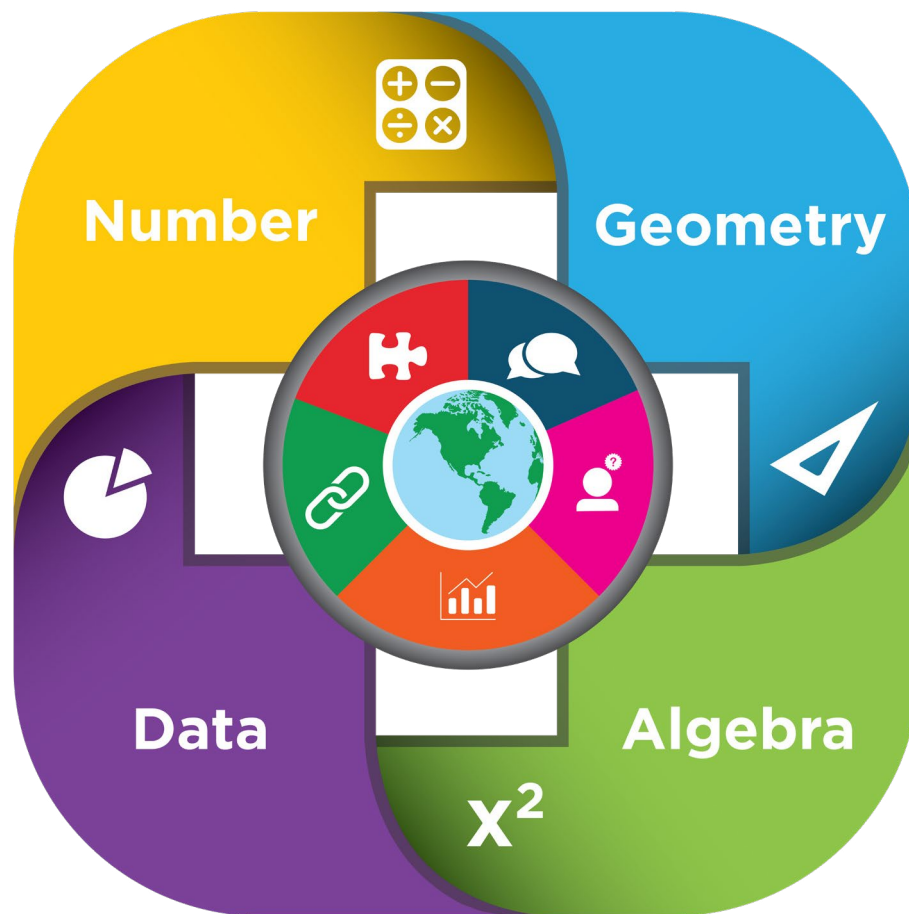
Yearbook

August

- Students have been introduced to the fundamentals and elements of a yearbook
- Choosing and delegating roles as a staff
- Learning the technique of constructive and specific critique
- Photo scavenger hunt: learning photo composition techniques
- Attending events and games for photos

September

- Begin ad sales
- Visit from Josten's rep
- Finalize cover



Nebraska's College and Career Ready Standards for Mathematics



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Matthew L. Blomstedt, Ph.D., Commissioner of Education Nebraska

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Patti Gubbels, District 3
Kirk Penner, District 5
Robin Stevens, Vice President, District 7

Lisa Fricke, District 2
Jacquelyn Morrison, District 4
Maureen Nickels, District 6
Deborah Neary, District 8

Acknowledgements

The standards within this document were developed by a team of Nebraska educators. These educators represent the diversity of students served by Nebraska's K-12 schools, a variety of content and grade-level expertise, and geographic locations across the state. In addition, a panel of subject matter experts reviewed and provided guidance on the recommended revisions. The standards were developed during the 2021-2022 academic year and approved by the Nebraska State Board of Education on September 2, 2022. The Nebraska Department of Education would like to express warm gratitude to these educators for their knowledge, expertise, and dedication to Nebraska's K-12 students.

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Yvonne Lai, Associate Professor, University of Nebraska-Lincoln

Introduction

College and career readiness for Nebraska’s K-12 students requires content area standards that are clearly defined and increasingly rigorous across grade levels. The standards are designed to ensure all students have access to grade-level mathematics content centered on deep learning of concepts while actively building new knowledge from their experiences. The revised mathematics standards encompass a wide range of essential skills across the strands of Number, Algebra, Geometry, and Data. The standards, both individually and as an integrated whole, describe not only expectations for college and career readiness, but the 21st century mathematical literacies for critical and innovative thinking and problem solving. The progression of skills within each strand are research and evidence-based and designed to prepare Nebraska’s students for postsecondary and workforce demands.

Content Area Standards Overview

Nebraska Revised Statute 79-760.01 requires the State Board of Education to adopt measurable academic content standards for the areas of reading, writing, mathematics, science, and social studies. Standards describe grade-level expectations for given content areas and provide a framework upon which Nebraska districts develop, establish, and implement curriculum. For effective teaching and learning to occur, the content area standards should drive local decisions related to instructional materials, resources, and interim, formative, and summative assessments.

The Nebraska Department of Education has identified quality criteria in the development of content area standards. These criteria ensure that standards are grounded in a strong research base of human cognition, motivation, and teaching and learning and describe essential knowledge and skills for college, career, and civic readiness. The revised mathematics standards, written by teams of Nebraska educators and reviewed by local and national experts, were developed with the following indicators of quality:

Measurable. Standards provide benchmarks against which student progress toward learning goals can be measured.

Appropriately challenging. Standards must build in complexity so that by the end of grade 12, students are prepared for postsecondary education and the workforce.

Connected. Student learning is most effective when it connects knowledge and skills to related topics and authentic applications.

Clearly worded. Content area standards must effectively communicate what students should know and be able to do.

Scaffolded. Indicators in the Nebraska content area standards scaffold student learning by sequencing connected knowledge and skills across grades so that students build and deepen understanding and ability over time.

Specific. Specificity assures that the language used in standards and indicators is sufficiently detailed to be accurately interpreted by educators.

Mathematics Standards Design

Nebraska’s College and Career Ready Standards for Mathematics reflect the tiered structure common across all Nebraska content area standards. Grade-level standards include broad, overarching content-based statements that describe the basic cognitive or affective expectations of student learning. They also reflect, across all grade levels, the long-term goals for learning associated with college and career readiness. Indicators further describe what students must know and be able to do to meet the standard as well as provide guidance related to classroom instruction and assessment. In addition to standards and indicators, some of the standards include examples. The “e.g.” statements, where appropriate, provide guidance relative to topics that may be included in a locally determined curriculum.

The structure of Nebraska’s College and Career Ready Standards for Mathematics includes:

K-12 Content Strands. The strands are broad, general statements that are not grade-level specific. They reflect major topics in mathematics (number, algebra, geometry, and data) and the five mathematical processes.

Grade-Level Standards. The grade-level standards identify what students should know and be able to do by the end of each grade level or grade band. The standards are organized within K-12 Content Strands. The grade-level standards include a statement that describes the expectations for proficiency relative to the major work of the grade.

Indicators. The indicators provide additional specificity to distinguish expectations between grade levels. They are considered an integral part of the standard to be taught and assessed.

For grades K-8, the standards and indicators are written at grade level and are organized by four content strands: Number, Algebra, Geometry, and Data. The High School Standards and Advanced Topics Standards are organized by four content strands: Number, Algebra, Geometry, and Data.

Coding: The standards are organized using a coding system that includes the content area, the grade level, an abbreviation for the content strand, and the number within the strand. Lowercase letters represent indicators for some of the standards. (NOTE: not all standards include indicators.)

-----**Example: MA.K.N.1.a**-----

MA = Content Area (Math)

K = Kindergarten

N = Content Strand (Number)

1 = Standard

a = indicator

The structure of Nebraska’s College and Career Ready Standards for Mathematics includes:

Content Strand	Description
Number (N)	Students will solve problems and reason with number concepts using multiple representations, make connections within math and across disciplines, and communicate their ideas.
Ratios and Proportions (R) ¹	Students will understand ratio concepts and use ratio reasoning to solve problems.
Algebra (A)	Students will solve problems and reason with algebra using multiple representations, make connections within math and across disciplines, and communicate their ideas.
Geometry (G)	Students will solve problems and reason with geometry using multiple representations, make connections within math and across disciplines, and communicate their ideas.
Data (D)	Students will solve problems and reason with data/probability using multiple representations, make connections within math and across disciplines, and communicate their ideas.

¹ Ratios and Proportions is a new content strand found only in Grades 6 and 7.

Grade Level Content Focus

In addition to the standards and indicators, this document includes information about content focus at the beginning of each grade level. Based on research and the progression of the disciplines, the information provides a snapshot of the “major work of the grade.” This guidance leverages the structure and emphases of college- and career-ready mathematics standards. At every grade level, instruction should emphasize the development of the mathematical processes as the vehicle for content mastery.

Nebraska Mathematical Processes

Introduction. The Nebraska Mathematical Processes reflect overarching processes that students should master as they work towards college and career readiness. As described by the National Research Council (2001), mathematical processes are integral to all mathematics teaching and learning. The Nebraska Mathematical Processes reflect the interaction of skills necessary for success in math coursework as well as the ability to apply math knowledge and processes within authentic contexts. The processes highlight the applied nature of math within the workforce and clarify the expectations held for the use of mathematics in and outside of the classroom. Additionally, the Fordham Institute (2018) states that high quality standards for mathematics “integrate and promote the ‘math processes’ or mathematical habits of mind that every student should possess.” Mathematical processes activate the learning process while increasing the likelihood that students will become mathematically proficient (Van de Walle et al., 2018).

To develop essential mathematical habits of mind, mathematically proficient students:



Make sense of problems and persevere in solving them. Students make sense of problems and look for entry points to plan solution pathways. A variety of tools including, but not limited to, mental math, estimation, concrete and visual models, and appropriate technology may be selected to support problem solving. Students form conjectures or inferences based on patterns or sets of examples and nonexamples and monitor their progress. Perseverance includes working without knowing if a plan will succeed, trying other plans if an initial plan does not work, and checking if a solution is reasonable. **(PROBLEM SOLVING)**



Reason quantitatively and abstractly and consider the reasoning of others. Students make sense of quantities and their relationships using quantitative and abstract reasoning. Quantitative reasoning uses the properties of numbers, operations, and geometric objects. Abstract reasoning includes making sense of and manipulating representations in terms of the original context. Students can represent a problem using numbers and mathematical symbols, solve the problem and then make sense of the solution in context of the original situation. Students can analyze their own reasoning and the reasoning of others by comparing different approaches, recognizing correctness and efficiency, and finding counterexamples. **(REASONING)**



Create and use representations to organize, record, and communicate mathematical ideas. Students will understand that representations of mathematical ideas – physical, visual, symbolic, contextual, and verbal – are an essential part of learning, doing, and communicating mathematics. Students create, use, and evaluate the effectiveness of representations to clearly communicate mathematical ideas. **(REPRESENTATIONS)**



Analyze mathematical relationships to connect mathematical ideas. Students routinely interpret their mathematical results in the context of the situation and reflect on whether the results make sense. By modeling mathematics in authentic contexts, students make connections among and between different areas of mathematics and other disciplines. Students seek out and make connections among different approaches and representations, including those of other students. **(CONNECTIONS)**



Explain and justify mathematical ideas using precise mathematical language in written or oral communication. Students will communicate their solutions with displays, explanations, and justifications. Students make sense of the mathematics by asking helpful questions that clarify or deepen understanding. Students will use precise mathematical language when explaining and justifying their work in written or oral form. **(COMMUNICATION)**



Kindergarten Standards






Kindergarten Content Focus

During Kindergarten, instruction should emphasize the development of the mathematical processes as the vehicle for mastering the grade-level content. Instruction should focus on these critical areas:

- Using numbers to represent quantities and to solve quantitative problems, such as quickly recognizing the number in a small set, counting objects in a set, producing sets of given sizes, and comparing and ordering sets or numerals.
- Working with numbers 11-19 to gain foundations for place value.
- Understanding addition as putting together and adding to and understanding subtraction as taking apart and taking from.
- Identifying, naming, and describing two- and three-dimensional shapes that are presented in a variety of ways.

Mathematical Processes

To develop essential mathematical habits of mind, mathematically proficient students:

<p>Make sense of problems and persevere in solving them.</p> 	<p>Reason quantitatively and abstractly and consider the reasoning of others.</p> 	<p>Create and use representations to organize, record, and communicate mathematical ideas.</p> 	<p>Analyze mathematical relationships to connect mathematical ideas.</p> 	<p>Explain and justify mathematical ideas using precise mathematical language in written or oral communication.</p> 
PROBLEM SOLVING	REASONING	REPRESENTATIONS	CONNECTIONS	COMMUNICATION

NUMBER: Students will solve problems and reason with number concepts using multiple representations, make connections within math and across disciplines, and communicate their ideas.

K.N.1 Subitizing: Students will quantify briefly shown collections and verbally label the arrangements without counting.

K.N.1.a Without counting, recognize and verbally label arrangements for briefly shown collections up to 10 (e.g., “I saw 5.” “How did you know?” “I saw 3 and 2, that is 5.”)

K.N.2 Counting and Cardinality: Students will understand the relationship between numbers and quantities.

K.N.2.a Use one-to-one correspondence when counting objects to show the relationship between numbers and quantities and understand the last number counted is a direct representation of the total objects in a given set.

K.N.2.b Understand that each successive number name refers to a quantity that is one larger.

K.N.2.c Count out the number of objects given a number from 1 to 20.

K.N.2.d Count up to 20 objects arranged in a line, a rectangular array, or a circle, and count up to 10 objects in a scattered configuration.

K.N.2.e Count verbally forward and backward from any given number within 20.

K.N.2.f Count verbally in sequential order by ones and by tens to 100, making accurate decade transitions (e.g., 89 to 90).

K.N.2.g Write and name numbers 0 to 20. Represent a number of objects with a written numeral 0 to 20.

K.N.2.h Compare the number of objects in two groups, up to 20, using the words fewer than, more than, the same as.

K.N.3 Base Ten: Students will work with numbers 11 to 19 to gain a foundation for place value.

K.N.3.a Compose and decompose numbers from 11 to 19 into a group of ten ones and some more ones using a model, drawing, or equation.

K.N.4 Number and Algebraic Relationships: Students will understand and demonstrate the meaning of addition and subtraction.

K.N.4.a Represent and explain addition and subtraction as part-whole relationships, with addition as *putting together* and/or *adding to* and subtraction as *taking apart* and/or *taking from*, using objects, drawings, numbers, and equations.

K.N.4.b Compose and decompose numbers less than or equal to 10 into pairs in more than one way using verbal explanations, objects, or drawings.

K.N.4.c For any number from 1 to 9, find the number that makes 10 when added to the given number, sharing the answer with a model, drawing, or equation.

K.N.4.d Efficiently, flexibly, and accurately add and subtract within 5.

K.N.4.e Solve authentic problems that involve addition and subtraction within 10 (e.g., by using objects, drawings, and equations to represent the problem).

ALGEBRA: Students will solve problems and reason with algebra using multiple representations, make connections within math and across disciplines, and communicate their ideas.

SEE NUMBER AND ALGEBRAIC RELATIONSHIPS IN NUMBER (K.N.4)

GEOMETRY: Students will solve problems and reason with geometry using multiple representations, make connections within math and across disciplines, and communicate their ideas.

K.G.1 Shapes and Their Attributes: Students will identify and represent the attributes of two-dimensional shapes and three-dimensional solids.

K.G.1.a Identify and name two-dimensional shapes including circles, triangles, squares, and rectangles regardless of orientation or size.

K.G.1.b Identify and name three-dimensional shapes including spheres, cubes, cylinders, and cones regardless of orientation or size.

K.G.1.c Describe the relative positions of shapes in relation to other objects or shapes using terms such as above, below, in front of, behind, and next to.

K.G.1.d Create shapes using given materials and describe one or more of the attributes such as number of sides/corners.

K.G.1.e Combine simple shapes to compose larger shapes.

K.G.2 Measurement: Students will describe and compare measurable attributes.

K.G.2.a Describe measurable attributes of authentic objects including length, capacity, and weight.

K.G.2.b Directly compare two objects with a measurable attribute in common to describe which object is longer/shorter, heavier/lighter, and has more/less-capacity.

K.G.3 Time and Money: Students will know coin names and values and tell time to the hour.

K.G.3.a Identify the name and value of pennies, nickels, and dimes.

K.G.3.b Identify the parts of digital and analog clocks. Tell and write time to the hour using digital clocks and analog clocks using only the hour hand.

DATA: Students will solve problems and reason with data/probability using multiple representations, make connections within math and across disciplines, and communicate their ideas.

K.D.1 Classification: Students will sort and classify objects using one or more attributes.

K.D.1.a Identify, sort, and classify objects by size, shape, color, and other attributes.

K.D.1.b Identify objects that do not belong to a particular group and explain the reasoning used.

Grade 1 Standards

Grade 1 Content Focus

During Grade 1, instruction should emphasize the development of the mathematical processes as the vehicle for mastering the grade-level content. Instruction should focus on these critical areas:

- Extending the counting sequence and strategies for solving quantitative questions.
- Representing and solving problems involving addition and subtraction to include work with equations and the properties of the operations.
- Developing understandings of addition and subtraction strategies for basic addition facts and related subtraction facts.
- Developing an understanding of whole number relationships, including grouping in tens and ones.
- Measuring lengths indirectly and by iterating length units.

Mathematical Processes

To develop essential mathematical habits of mind, mathematically proficient students:

Make sense of problems and persevere in **solving** them.



PROBLEM SOLVING

Reason quantitatively and abstractly and consider the reasoning of others.



REASONING

Create and use **representations** to organize, record, and communicate mathematical ideas.



REPRESENTATIONS

Analyze mathematical relationships to **connect** mathematical ideas.



CONNECTIONS

Explain and justify mathematical ideas using precise mathematical language in written or oral **communication**.



COMMUNICATION

NUMBER: Students will solve problems and reason with number concepts using multiple representations, make connections within math and across disciplines, and communicate their ideas.

1.N.1 Subitizing: Students will quantify briefly shown collections and verbally label the arrangements without counting.

1.N.1.a Without counting, recognize and verbally label arrangements for briefly shown collections up to 20 (e.g., "I saw 16." "How did you know?" "I saw 10 and 6, that is 16").

1.N.2 Counting and Cardinality: Students will understand the relationship between numbers and quantities to extend the counting sequence.

1.N.2.a Count verbally by ones and tens within 120 starting at any given number.

1.N.2.b Count verbally by ones and tens within 120 starting at any given number. Understand that the given number is a direct representation of the total objects in a given set and counting on each successive number represents adding an additional object, and counting back each preceding number represents removing an object.

1.N.2.c Write numerals to match a representation of a given set of objects for numbers up to 120.

1.N.2.d Understand patterns of skip counting by 2s, 5s, and 10s.

1.N.3 Base Ten: Students will represent and compare two-digit numbers to gain foundations for place value.

1.N.3.a Understand 10 as a bundle, collection, or (more abstractly) composition of ten ones and that the two digits of a two-digit number represent a composition of some tens and some ones.

1.N.3.b Compare two, two-digit numbers using words greater than, less than, equal to, and symbols $<$, $>$, $=$. Justify comparisons based on the number of tens and ones.

1.N.4 Number and Operations: Students will compute using addition and subtraction.

1.N.4.a Add and subtract within 20, using flexible strategies such as counting on or counting back, making ten, using ten, and using doubles and near doubles.

1.N.4.b Efficiently, flexibly, and accurately add and subtract within 10.

1.N.4.c Find the difference between two numbers that are multiples of 10, ranging from 10 to 90 using concrete models, drawings, or strategies, and write the corresponding equation.

1.N.4.d Mentally find 10 more or 10 less than a two-digit number without having to count and explain the reasoning used.

1.N.4.e Add within 100, including adding a two-digit number and a one-digit number, adding a two-digit number and a multiple of ten, using concrete models, drawings, and strategies that reflect an understanding of place value, the relationship between addition and subtraction, and the properties of operations. Relate the strategy to a written method and explain the reasoning used to solve.

1.N.4.f Understand that in adding two-digit numbers, one adds tens and tens, ones and ones; sometimes it is necessary to compose a ten.

1.N.4.g Subtract multiples of ten from two-digit numbers (positive or zero differences) using concrete models, drawings, and strategies that reflect an understanding of place value, the relationship between addition and subtraction, and the properties of operations. Relate the strategy to a written method and explain the reasoning used to solve.

1.N.5 Number and Algebraic Relationships: Students will understand and apply properties of operations and the relationship between addition and subtraction to solve problems.

1.N.5.a Use the meaning of the equal sign to determine if equations are true and give examples of equations that are true (e.g., $4 = 4$, $6 = 7 - 1$, $6 + 3 = 3 + 6$, $7 + 2 = 5 + 4$).

1.N.5.b Use the relationship of addition and subtraction to solve subtraction problems (e.g., find $12 - 9 = \underline{\hspace{2cm}}$, using the addition fact $9 + 3 = 12$).

1.N.5.c Determine the unknown whole number in an addition or subtraction equation (e.g., $7 + ? = 13$).

1.N.5.d Use the commutative property of addition to develop addition strategies and compose/decompose numbers to develop addition and subtraction strategies. (See other flexible strategies in 1.N.4.a49).

1.N.5.e Solve problems that call for addition of three whole numbers whose sum is less than or equal to 20 using flexible strategies with objects, drawings, and/or equations.

1.N.5.f Solve authentic problems involving addition and subtraction within 20 in situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all parts of the addition or subtraction problem by using objects, drawings, and/or equations with a symbol for the unknown number to represent the problem.

1.N.5.g Create an authentic problem to represent a given equation involving addition and subtraction within 20.

ALGEBRA: Students will solve problems and reason with algebra using multiple representations, make connections within math and across disciplines, and communicate their ideas.

SEE NUMBER AND ALGEBRAIC RELATIONSHIPS IN NUMBER (1.N.5)

GEOMETRY: Students will solve problems and reason with geometry using multiple representations, make connections within math and across disciplines, and communicate their ideas.

1.G.1 Shapes and Their Attributes: Students will represent and describe the attributes of two-dimensional shapes.

1.G.1.a Determine geometric attributes of two-dimensional shapes regardless of orientation or size for rhombi, trapezoids, and hexagons (e.g., a hexagon is closed with six sides).

1.G.1.b Determine geometric attributes of three-dimensional shapes including cones, cylinders, cubes, and rectangular prisms regardless of orientation or size.

1.G.1.c Describe lines and sides of shapes as parallel or non-parallel.

1.G.1.d Partition circles and rectangles into two and four equal parts using the language halves and fourths.

1.G.2 Measurement: Students will measure and compare lengths.

1.G.2.a Measure the length of an object as a whole number of same-size, non-standard units by placing them end to end.

1.G.2.b Order three objects by directly comparing their lengths or indirectly by using a third object.

1.G.3 Time and Money: Students will solve problems with coins and tell time to the half hour.

1.G.3.a Understand the value of dimes and pennies (e.g., a dime is equal to ten pennies) relating to tens and ones and solve problems involving dimes and pennies using the ¢ symbol appropriately.

1.G.3.b Count collections of like coins (penny, nickel, and dime) relating to patterns of counting by 1s, 5s, and 10s.

1.G.3.c Tell and write time to the half hour and hour using analog and digital clocks.

DATA: Students will solve problems and reason with data/probability using multiple representations, make connections within math and across disciplines, and communicate their ideas.

1.D.1 Data Collection: Students will formulate questions to collect, organize, and represent data.

1.D.1.a Collect, organize, and represent a data set with up to three categories using a picture graph.

1.D.2 Analyze Data and Interpret Results: Students will analyze the data and interpret the results.

1.D.2.a Ask and answer questions about the total number of data points, how many in each category, and compare categories by identifying how many more or less are in a particular category using a picture graph.

Grade 2 Standards






Grade 2 Content Focus

During Grade 2, instruction should emphasize the development of the mathematical processes as the vehicle for mastering the grade-level content. Instruction should focus on these critical areas:

- Building on base-ten numeration system and place-value concepts to demonstrate understanding of multi-digit numbers.
- Applying properties of operations and the relationship between adding and subtracting.
- Developing quick recall of addition facts and related subtraction facts.
- Solving problems that involve time and/or money.
- Extending understanding of linear measurement by measuring and estimating lengths and relating length to addition and subtraction.

Mathematical Processes

To develop essential mathematical habits of mind, mathematically proficient students:

<p>Make sense of problems and persevere in solving them.</p> 	<p>Reason quantitatively and abstractly and consider the reasoning of others.</p> 	<p>Create and use representations to organize, record, and communicate mathematical ideas.</p> 	<p>Analyze mathematical relationships to connect mathematical ideas.</p> 	<p>Explain and justify mathematical ideas using precise mathematical language in written or oral communication.</p> 
PROBLEM SOLVING	REASONING	REPRESENTATIONS	CONNECTIONS	COMMUNICATION

NUMBER: Students will solve problems and reason with number concepts using multiple representations, make connections within math and across disciplines, and communicate their ideas.

2.N.1 Subitizing: Students will quantify briefly shown collections and verbally label the arrangements without counting.

2.N.1.a Without counting, recognize and verbally label structured arrangements for briefly shown collections using groups, multiplicative thinking, and place value (e.g., "I saw 48." "How did you know?" "I saw 4 groups of 10 and 2 groups of 4 is 8...4 tens and 8 ones...48").

2.N.2 Counting: Students will understand the relationship between numbers and quantities to extend the counting sequence.

2.N.2.a Count within 1,000, including skip counting by 5s, 10s, and 100s starting at a variety of multiples of 5, 10, or 100.

2.N.3 Base Ten: Students will represent and compare three-digit numbers to apply concepts of place value.

2.N.3.a Read and write numbers within the range of 0 to 1,000 using standard, word, and expanded forms.

2.N.3.b Understand 100 as a bundle, collection, or (more abstractly) composition of ten tens and that the three digits of a three-digit number represent a composition of some hundreds, some tens, and some ones.

2.N.3.c Compare two three-digit numbers by using symbols $<$, $>$, $=$ and justify the comparison based on the value of the hundreds, tens, and ones.

2.N.4 Number and Operations: Students will compute using addition and subtraction.

2.N.4.a Fluently add and subtract within 20.

2.N.4.b Add and subtract within 100 strategies based on place value including properties of operations, relationships between addition and subtraction, and algorithms.

2.N.4.c Mentally add or subtract 10 or 100 to or from a given number 100 to 900.

2.N.4.d Add up to three two-digit numbers using strategies based on place value and understanding of properties.

2.N.4.e Add and subtract within 1,000 using concrete models, drawings, and strategies that reflect an understanding of place value and the properties of operations.

2.N.5 Number and Algebraic Relationships: Students will create and solve problems involving addition and subtraction and work with equal groups of objects to gain foundations for multiplication.

2.N.5.a Solve authentic problems involving addition and subtraction within 100 in situations of addition and subtraction, including adding to, subtracting from, joining and separating, and comparing situations with unknowns in all positions using objects, models, drawings, verbal explanations, expressions, and equations.

2.N.5.b Create authentic problems to represent one-step addition and subtraction within 100 with unknowns in all positions.

2.N.5.c Use repeated addition to find the total number of objects arranged in an array no larger than five rows and five columns and write an equation to express the total.

2.N.5.d Identify a group of objects from 0 to 20 as even or odd by counting by 2s or by showing even numbers as a sum of two equal parts.

ALGEBRA: Students will solve problems and reason with algebra using multiple representations, make connections within math and across disciplines, and communicate their ideas.

SEE NUMBER AND ALGEBRAIC RELATIONSHIPS IN NUMBER (2.N.5)

GEOMETRY: Students will solve problems and reason with geometry using multiple representations, make connections within math and across disciplines, and communicate their ideas.

2.G.1 Shapes and Their Attributes: Students will recognize and represent the attributes of two-dimensional shapes and three-dimensional solids.

2.G.1.a Recognize and describe all faces of three-dimensional shapes as two-dimensional shapes. Identify and count attributes of solid shapes including the edges, faces, and vertices.

2.G.1.b Recognize and draw two-dimensional shapes having a specific number of sides, angles, and vertices including triangles, quadrilaterals, pentagons, and hexagons.

2.G.1.c Partition a rectangle into rows and columns of equal-sized squares and count to find the total.

2.G.1.d Divide circles and rectangles into two, three, or four equal parts and describe the parts using the language of halves, thirds, fourths, half of, a third of, and a fourth of.

2.G.1.e Recognize that equal shares of identical wholes need not have the same shape.

2.G.2 Describe Measurable Attributes: Students will measure, estimate, and compare lengths to build meaning of the measurement process.

2.G.2.a Measure the length of an object using two different length units and describe how the measurements relate to the size of the specific unit.

2.G.2.b Compare the difference in length of objects using inches and feet or centimeters and meters.

2.G.3 Measurement: Students will use tools to measure and estimate length using standard units.

2.G.3.a Identify and use appropriate tools for measuring length.

2.G.3.b Measure and estimate lengths using whole numbers with inches, feet, centimeters, and meters.

2.G.4 Relate Addition and Subtraction to Measurement: Students will add or subtract to solve length problems.

2.G.4.a Represent whole numbers as equally spaced lengths on a number line diagram. Use number lines to find sums and differences within 100.

2.G.4.b Use addition and subtraction within 100 to solve problems using the same standard-length units.

2.G.5 Time and Money: Students will solve problems with dollar bills and coins and tell time to the nearest five-minute interval.

2.G.5.a Solve problems involving dollar bills, quarters, dimes, nickels, and pennies using \$ and ¢ symbols appropriately.

2.G.5.b Identify and write time to five-minute intervals using analog and digital clocks and both a.m. and p.m.

DATA: Students will solve problems and reason with data/probability using multiple representations, make connections within math and across disciplines, and communicate their ideas.

2.D.1 Data Collection: Students will formulate questions to collect, organize, and represent data.

2.D.1.a Ask authentic questions to generate data and represent the data using scaled picture graphs with up to four categories.

2.D.1.b Ask authentic questions to generate data and represent the data using bar graphs with up to four categories.

2.D.1.c Create and represent a data set by making a line plot using whole numbers.

2.D.2 Analyze Data and Interpret Results: Students will analyze the data and interpret the results.

2.D.2.a Analyze data using scaled picture graphs or bar graphs with up to four categories. Solve problems including one-step comparison problems, using information from the graphs.

Grade 3 Standards






Grade 3 Content Focus

During Grade 3, instruction should emphasize the development of the mathematical processes as the vehicle for mastering the grade-level content. Instruction should focus on these critical areas:

- Building on additive reasoning to develop understanding of multiplication and division
- Exploring multiplication properties and strategies to multiply within 100 flexibly and efficiently
- Developing understanding of fractions as numbers by connecting prior work in partitioning shapes in equal areas to the relationship between numerator and denominator
- Solving problems using visual fraction models to compare and find equivalencies.
- Reasoning with shapes and their attributes.
- Recognizing area as an attribute of two-dimensional shapes and connecting understanding to multiplication.

Mathematical Processes

To develop essential mathematical habits of mind, mathematically proficient students:

<p>Make sense of problems and persevere in solving them.</p> 	<p>Reason quantitatively and abstractly and consider the reasoning of others.</p> 	<p>Create and use representations to organize, record, and communicate mathematical ideas.</p> 	<p>Analyze mathematical relationships to connect mathematical ideas.</p> 	<p>Explain and justify mathematical ideas using precise mathematical language in written or oral communication.</p> 
PROBLEM SOLVING	REASONING	REPRESENTATIONS	CONNECTIONS	COMMUNICATION

NUMBER: Students will solve problems and reason with number concepts using multiple representations, make connections within math and across disciplines, and communicate their ideas.

3.N.1 Numeric Relationships: Students will demonstrate and represent multi-digit numbers using place value understanding.

3.N.1.a Read, write, and demonstrate multiple equivalent representations for numbers up to 10,000 using objects or visual representations including standard form and expanded form.

3.N.1.b Represent and justify comparisons of whole numbers up to 10,000 using number lines and reasoning strategies.

3.N.2 Fractions: Students will develop understanding of fractions as numbers.

3.N.2.a Partition two-dimensional figures into equal areas and express the area of each part as a unit fraction of the whole.

3.N.2.b Find parts of a whole using visual fraction models.

3.N.2.c Represent and understand a fraction as a number on a number line.

3.N.2.d Show and identify equivalent fractions using visual representations including pictures, manipulatives, and number lines.

3.N.2.e Justify whole numbers as fractions and identify fractions that are equivalent to whole numbers.

3.N.2.f Compare and order fractions having the same numerators or denominators by reasoning about their size.

ALGEBRA: Students will solve problems and reason with algebra using multiple representations, make connections within math and across disciplines, and communicate their ideas.

3.A.1 Operations and Algebraic Thinking: Students will extend understanding of multiplication and apply operational properties to solve problems.

- 3.A.1.a Add and subtract up to four-digit whole numbers with or without regrouping using strategies based on place value and algorithms.
- 3.A.1.b Determine the reasonableness of whole number sums and differences using estimations and number sense.
- 3.A.1.c Solve and write one-step whole number equations to represent authentic problems using the four operations including equations with an unknown start, unknown change, or unknown result.
- 3.A.1.d Interpret and solve two-step authentic problems involving whole numbers and the four operations.
- 3.A.1.e Apply commutative, associative, distributive, identity, and zero properties as strategies to multiply and divide.
- 3.A.1.f Use drawings, words, arrays, symbols, repeated addition, equal groups, and number lines to interpret and explain the meaning of multiplication and division and their relationship.
- 3.A.1.g Fluently multiply and divide within 100 using strategies based on understanding and properties of operations.
- 3.A.1.h Multiply one-digit whole numbers by multiples of 10 in the range of 10 to 90 using strategies based on place value and properties of operations.

GEOMETRY: Students will solve problems and reason with geometry using multiple representations, make connections within math and across disciplines, and communicate their ideas.

3.G.1 Shapes and Their Attributes: Students will recognize and represent the attributes of two-dimensional shapes.

3.G.1.1 Sort quadrilaterals into categories according to their attributes.

3.G.2 Area and Perimeter: Students will recognize perimeter and area as attributes of plane figures and understand concepts of area measurement.

3.G.2.a Solve authentic problems involving perimeters of polygons when given the side lengths or when given the perimeter and unknown side length(s).

3.G.2.b Use concrete and pictorial models to measure areas in square units by counting square units.

3.G.2.c Find the area of a rectangle with whole-number side lengths by modeling with unit squares; show that area can be additive and is the same as it would be found by multiplying the side lengths.

3.G.3 Measurement: Students will use tools to solve measurement problems.

3.G.3.a Identify and use the appropriate tools and units of measurement, both customary and metric, to solve authentic problems involving length, weight, mass, liquid volume, and capacity (within the same system and unit).

3.G.3.b Estimate and measure length to the nearest half inch, fourth inch, and centimeter.

3.G.4 Time: Students will tell time to the nearest minute and find elapsed time.

3.G.4.a Tell and write time to the minute using both analog and digital clocks.

3.G.4.b Solve authentic problems involving addition and subtraction of time intervals and find elapsed time.

DATA: Students will solve problems and reason with data/probability using multiple representations, make connections within math and across disciplines, and communicate their ideas.

3.D.1 Data Collection: Students will formulate questions to collect, organize, and represent data.

3.D.1.a Create scaled picture graphs and scaled bar graphs to represent a data set with more than four categories, including data collected through observations, surveys, and experiments.

3.D.1.b Generate and represent data using line plots where the horizontal scale is marked off in halves and whole number units.

3.D.2 Analyze Data and Interpret Results: Students will analyze the data and interpret the results.

3.D.2.a Analyze data and make simple statements using information represented in picture graphs, line plots, and bar graphs.

Grade 4 Standards

Grade 4 Content Focus

During Grade 4, instruction should emphasize the development of the mathematical processes as the vehicle for mastering the grade-level content. Instruction should focus on these critical areas:

- Developing understanding and fluency with multi-digit multiplication through visual models and operational properties.
- Developing understanding of division involving multi-digit dividends using place value models.
- Extending understanding of fraction equivalence and operations with fractions by composing and decomposing, reasoning about relative size, and applying properties of operations.
- Classifying two-dimensional shapes according to their attributes such as the presence or absence of lines or angles.
- Developing understanding of an angle as a turn in a circle and justify the classification of angles as acute, obtuse, and right.

Mathematical Processes

To develop essential mathematical habits of mind, mathematically proficient students:

Make sense of problems and persevere in **solving** them.



PROBLEM SOLVING

Reason quantitatively and abstractly and consider the reasoning of others.



REASONING

Create and use **representations** to organize, record, and communicate mathematical ideas.



REPRESENTATIONS

Analyze mathematical relationships to **connect** mathematical ideas.



CONNECTIONS

Explain and justify mathematical ideas using precise mathematical language in written or oral **communication**.



COMMUNICATION

NUMBER: Students will solve problems and reason with number concepts using multiple representations, make connections within math and across disciplines, and communicate their ideas.

4.N.1 Numeric Relationships: Students will demonstrate and represent multi-digit numbers using relationships with the base-ten number system.

- 4.N.1.a Read, write, and demonstrate multiple equivalent representations for whole numbers up to 1,000,000 and decimals to the hundredths using visual representations, standard form, and expanded form.
- 4.N.1.b Represent and justify comparisons of whole numbers up to 1,000,000 and decimals through the hundredths place using number lines and reasoning strategies.
- 4.N.1.c Recognize a digit in one place represents ten times what it represents in the place to its right.
- 4.N.1.d Use decimal notation for fractions with denominators of 10 or 100 (e.g., $\frac{43}{100} = 0.43$).

4.N.2 Fractions and Decimals: Students will extend understanding of fractions by equivalence and ordering and will develop an understanding of decimals.

- 4.N.2.a Explain and demonstrate how a mixed number is equivalent to a fraction greater than one and how a fraction greater than one is equivalent to a mixed number using visual fraction models and reasoning strategies.
- 4.N.2.b Explain and demonstrate how equivalent fractions are generated by multiplying by a fraction equivalent to 1 using visual fraction models and the Identity Property of Multiplication.
- 4.N.2.c Compare and order fractions having unlike numerators or denominators using number lines, benchmarks, reasoning strategies, and/or equivalence.

4.N.3 Operations with Fractions: Students will understand and demonstrate fractional computation.

- 4.N.3.a Decompose a fraction into a sum of fractions with the same denominator in more than one way and record each decomposition with an equation and a visual representation.

4.N.3.b Explain the meaning of addition and subtraction of fractions with like denominators using visual fraction models, properties of operations, and reasoning strategies.

4.N.3.c Add and subtract fractions and mixed numbers with like denominators.

4.N.3.d Solve authentic problems involving addition and subtraction of fractions and mixed numbers with like denominators.

4.N.3.e Multiply a fraction by a whole number using visual fraction models and properties of operations.

4.N.4 Factors and Multiples: Students will find factors and multiples and classify numbers as prime or composite.

4.N.4.a Determine whether a given whole number up to 100 is a multiple of a given one-digit number.

4.N.4.b Determine factors of any whole number up to 100 and classify a number up to 100 as prime or composite.

ALGEBRA: Students will solve problems and reason with algebra using multiple representations, make connections within math and across disciplines, and communicate their ideas.

4.A.1 Operations and Algebraic Thinking: Students will extend understanding of multiplication and division and apply operational properties to solve problems involving variables.

4.A.1.a Add and subtract multi-digit numbers using an algorithm.

4.A.1.b Multiply up to a four-digit whole number by a one-digit whole number and multiply a two-digit whole number by a two-digit whole number, using strategies based on place value, properties of operations, and algorithms.

4.A.1.c Divide up to a four-digit whole number by a one-digit divisor with and without a remainder using strategies based on place value.

4.A.1.d Determine the reasonableness of whole number products and quotients using estimations and number sense.

4.A.1.e Create a simple algebraic expression or equation using a variable for an unknown number to represent an authentic mathematical situation (e.g., $3 + n = 15$, $81 \div n = 9$).

4.A.1.f Solve one- and two-step authentic problems using the four operations including interpreting remainders and the use of a letter to represent the unknown quantity.

GEOMETRY: Students will solve problems and reason with geometry using multiple representations, make connections within math and across disciplines, and communicate their ideas.

4.G.1 Shapes and Their Attributes: Students will draw and identify lines and angles and classify shapes by properties of their lines and angles.

4.G.1.a Identify, create, and describe points, lines, line segments, rays, angles, parallel lines, perpendicular lines, and intersecting lines.

4.G.1.b Justify the classification of angles as acute, obtuse, or right.

4.G.1.c Justify the classification of two-dimensional shapes based on the presence or absence of parallel and perpendicular lines or the presence or absence of specific angles.

4.G.1.d Recognize, draw, and justify lines of symmetry in two-dimensional shapes.

4.G.2 Measurement: Students will generate simple conversions from a larger unit to a smaller unit to solve authentic problems and measure angles.

4.G.2.a Identify and use the appropriate tools, operations, and units of measurement, both customary and metric, to solve authentic problems involving time, length, weight, mass, and capacity.

4.G.2.b Determine the reasonableness of measurements involving time, length, weight, mass, capacity, and angles.

4.G.2.c Generate simple conversions from a larger unit to a smaller unit within the customary and metric systems of measurement.

4.G.2.d Measure angles in whole number degrees using a protractor and relate benchmark angle measurements to their rotation through a circle (e.g., $180^\circ = 1/2$ of a circle).

4.G.2.e Recognize angle measures as additive and solve problems involving addition and subtraction to find unknown angles on a diagram.

4.G.3 Area and Perimeter: Students will apply perimeter and area formulas for rectangles.

4.G.3.a Apply perimeter and area formulas for rectangles to solve authentic problems.

DATA: Students will solve problems and reason with data/probability using multiple representations, make connections within math and across disciplines, and communicate their ideas.

4.D.1 Data Collection: Students will formulate questions to collect, organize, and represent data.

4.D.1.a Generate and represent data using line plots where the horizontal scale is marked off in appropriate units—whole numbers, halves, fourths, or eighths.

4.D.2 Analyze Data and Interpret Results: Students will analyze the data and interpret the results.

4.D.2.a Solve authentic problems and analyze data involving addition or subtraction of fractions presented in line plots.

Grade 5 Standards

Grade 5 Content Focus

During Grade 5, instruction should emphasize the development of the mathematical processes as the vehicle for mastering the grade-level content. Instruction should focus on these critical areas:

- Extending previous understandings of multiplication and division to multiply and divide fractions and decimals.
- Performing operations with multi-digit whole numbers and decimals to the hundredths in order to solve authentic problems following the order of operations.
- Categorizing shapes using knowledge of their attributes.
- Developing concepts of volume and relating volume to multiplication and addition.

Mathematical Processes

To develop essential mathematical habits of mind, mathematically proficient students:

Make sense of problems and persevere in **solving** them.



PROBLEM SOLVING

Reason quantitatively and abstractly and consider the reasoning of others.



REASONING

Create and use **representations** to organize, record, and communicate mathematical ideas.



REPRESENTATIONS

Analyze mathematical relationships to **connect** mathematical ideas.



CONNECTIONS

Explain and justify mathematical ideas using precise mathematical language in written or oral **communication**.



COMMUNICATION

NUMBER: Students will solve problems and reason with number concepts using multiple representations, make connections within math and across disciplines, and communicate their ideas.

5.N.1 Numeric Relationships: Students will understand the place value system.

5.N.1.a Read, write, and demonstrate multiple equivalent representations for multi-digit whole numbers and decimals through the thousandths place using standard form and expanded form.

5.N.1.b Recognize a digit in one place represents $\frac{1}{10}$ of what it represents in the place to its left.

5.N.1.c Use whole number exponents to denote powers of 10.

5.N.2 Fractions and Decimals: Students will extend understanding of fraction and decimal equivalence and ordering.

5.N.2.a Generate equivalent forms of commonly used fractions and decimals (e.g., halves, fourths, fifths, tenths).

5.N.2.b Represent and justify comparisons of whole numbers, fractions, mixed numbers, and decimals through the thousandths place using number lines, reasoning strategies, and/or equivalence.

5.N.3 Operations with Fractions and Decimals: Students will apply and extend previous understandings of whole number operations to add, subtract, multiply and divide fractions and decimals.

5.N.3.a Interpret a fraction as division of the numerator by the denominator.

5.N.3.b Multiply a whole number by a fraction or a fraction by a fraction, including mixed numbers, using visual fraction models and properties of operations.

5.N.3.c Divide a unit fraction by a whole number and a whole number by a unit fraction using visual fraction models and properties of operations.

5.N.3.d Solve authentic problems involving addition, subtraction, and multiplication of fractions and mixed numbers with like and unlike denominators.

5.N.3.e Add and subtract fractions and mixed numbers with unlike denominators without simplifying.

5.N.3.f Solve authentic problems involving division of fractions by whole numbers and division of whole numbers by unit fractions.

5.N.3.g Add, subtract, multiply, and divide decimals to hundredths using strategies based on place value, properties of operations, and/or algorithms.

ALGEBRA: Students will solve problems and reason with algebra using multiple representations, make connections within math and across disciplines, and communicate their ideas.

5.A.1 Operations and Algebraic Thinking: Students will extend understanding of division and apply operational properties to solve problems involving order of operations.

5.A.1.a Multiply multi-digit whole numbers using an algorithm.

5.A.1.b Divide four-digit whole numbers by a two-digit divisor, with and without remainders, using strategies based on place value.

5.A.1.c Justify the reasonableness of computations involving whole numbers, fractions, and decimals.

5.A.1.d Solve authentic numerical or algebraic expressions using order of operations (excluding exponents).

GEOMETRY: Students will solve problems and reason with geometry using multiple representations, make connections within math and across disciplines, and communicate their ideas.

5.G.1 Shapes and Their Attributes: Students will classify two-dimensional figures into categories based on their properties.

5.G.1.a Identify and describe faces, edges, and vertices of rectangular prisms.

5.G.1.b Recognize volume as an attribute of solid figures that is measured in cubic units.

5.G.1.c Justify the classification of two-dimensional figures in a hierarchy based on their properties.

5.G.2 Coordinate Geometry: Graph points on the coordinate plane to solve authentic problems.

- 5.G.2.a Identify the origin, x axis, and y axis of the coordinate plane.
- 5.G.2.b Graph and name points in the first quadrant of the coordinate plane using ordered pairs of whole numbers.
- 5.G.2.c Form ordered pairs from authentic problems involving rules or patterns and graph the ordered pairs in the first quadrant on a coordinate plane and interpret coordinate values in the context of the situation.

5.G.3 Measurement: Generate conversions within the customary and metric systems of measurement to solve authentic problems.

- 5.G.3.a Generate conversions in authentic mathematical situations from larger units to smaller units and smaller units to larger units, within the customary and metric systems of measurement.

5.G.4 Area and Volume: Students will extend area problems for rectangles to include fractions and build meaning for measuring volume.

- 5.G.4.a Find the area of a rectangle with fractional side lengths by tiling it with unit squares of the fraction side lengths and show that the area is the same as would be found by multiplying the side lengths.
- 5.G.4.b Multiply fractional side lengths to find areas of rectangles and represent fraction products as rectangular areas.
- 5.G.4.c Use concrete models to measure the volume of rectangular prisms by counting cubic units.
- 5.G.4.d Find the volume of a rectangular prism with whole-number side lengths by modeling with unit squares and show that the volume can be additive and is the same as would be found by multiplying the area of the base times height.
- 5.G.4.e Solve authentic problems by applying the formulas $V = l \times w \times h$ and $V = B \times h$ for rectangular prisms to find volumes of rectangular prisms with whole number edge lengths.

DATA: Students will solve problems and reason with data/probability using multiple representations, make connections within math and across disciplines, and communicate their ideas.

5.D.1 Data Collection: Students will formulate questions to collect, organize, and represent data.

No additional indicators at this level.

5.D.2 Analyze Data and Interpret Results: Students will analyze the data and interpret the results.

5.D.2.a Represent, analyze, and solve authentic problems using information presented in one or more tables or line plots including whole numbers and fractions.

Grade 6 Standards

Grade 6 Content Focus

During Grade 6, instruction should emphasize the development of the mathematical processes as the vehicle for mastering the grade-level content. Instruction should focus on these critical areas:

- Connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems.
- Completing computational understanding with the division of fractions and moving towards efficiency by using the algorithm for each operation.
- Extending understanding of the number line to include the entire system of rational numbers, which now includes negative numbers.
- Writing and using expressions and equations
- Representing data in multiple ways in order to analyze and interpret the results.

Mathematical Processes

To develop essential mathematical habits of mind, mathematically proficient students:

Make sense of problems and persevere in **solving** them.



PROBLEM SOLVING

Reason quantitatively and abstractly and consider the reasoning of others.



REASONING

Create and use **representations** to organize, record, and communicate mathematical ideas.



REPRESENTATIONS

Analyze mathematical relationships to **connect** mathematical ideas.



CONNECTIONS

Explain and justify mathematical ideas using precise mathematical language in written or oral **communication**.



COMMUNICATION

NUMBER: Students will solve problems and reason with number concepts using multiple representations, make connections within math and across disciplines, and communicate their ideas.

6.N.1 Numeric Relationships: Students will demonstrate, represent, and show relationships among fractions, decimals, percents, and integers within the base-ten number system.

6.N.1.a Determine common factors and common multiples.

6.N.1.b Determine prime factorization of numbers with and without exponents.

6.N.1.c Model integers using drawings, words, number lines, models and symbols.

6.N.1.d Determine absolute value of rational numbers.

6.N.1.e Compare and order numbers including non-negative fractions and decimals, integers, and absolute values and locate them on the number line.

6.N.2 Operations: Students will compute with fractions and decimals accurately.

6.N.2.a Divide multi-digit whole numbers and decimals using an algorithm.

6.N.2.b Divide non-negative fractions and mixed numbers.

6.N.2.c Evaluate numerical expressions including absolute value and/or positive exponents with respect to order of operations.

RATIOS AND PROPORTIONS: Students will understand ratio concepts and use ratio reasoning to solve problems.²

6.R.1 Ratios and Rates: Students will understand the concept of ratios and unit rates, use language to describe the relationship between two quantities, and use ratios and unit rates to solve authentic situations.

- 6.R.1.a Determine ratios from concrete models, drawings, and/or words.
- 6.R.1.b Explain and determine unit rates.
- 6.R.1.c Find a percent of a quantity as a rate per 100 and solve problems involving finding the whole, given a part and the percent.
- 6.R.1.d Convert among fractions, decimals, and percents using multiple representations.
- 6.R.1.e Solve authentic problems using ratios, unit rates, and percents.
- 6.R.1.f Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities.

² Ratios and Proportions is a new content strand found only in Grades 6 and 7.

6.R.2 Represent: Students will represent ratios and rates on the coordinate plane.

- 6.R.2.a Identify the ordered pair of a given point in the coordinate plane.
- 6.R.2.b Plot the location of an ordered pair in the coordinate plane.
- 6.R.2.c Identify the location of a given point in the coordinate plane (e.g., axis, origin, quadrant).
- 6.R.2.d Make tables of equivalent ratios relating quantities with whole number measurements.
- 6.R.2.e Use the constant of proportionality to find the missing value in ratio tables.
- 6.R.2.f Plot the pair of values from a ratio table on the coordinate plane.
- 6.R.2.g Explain what a point (x, y) on the graph of a proportional relationship means in terms of the situation.

ALGEBRA: Students will solve problems and reason with algebra using multiple representations, make connections within math and across disciplines, and communicate their ideas.

6.A.1 Algebraic Processes: Students will apply the operational properties when evaluating expressions and solving equations and inequalities.

- 6.A.1.a Recognize and generate equivalent algebraic expressions involving the distributive property and combining like terms.
- 6.A.1.b Given the value of the variable, evaluate algebraic expressions with non-negative rational numbers with respect to order of operations, which may include absolute value.
- 6.A.1.c Use substitution to determine if a given value for a variable makes an equation or inequality true.
- 6.A.1.d Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication, and division.
- 6.A.1.e Solve one-step inequalities with whole numbers using addition, subtraction, multiplication, and division and represent solutions on a number line (e.g., graph $3x > 3$).

6.A.2 Applications: Students will solve authentic problems with algebraic expressions, equations, and inequalities.

- 6.A.2.a Create algebraic expressions (e.g., one operation, one variable as well as multiple operations, one variable) from word phrases.
- 6.A.2.b Write equations (e.g., one operation, one variable) to represent authentic situations involving non-negative rational numbers.
- 6.A.2.c Write inequalities (e.g., one operation, one variable) to represent authentic situations involving whole numbers.

GEOMETRY: Students will solve problems and reason with geometry using multiple representations, make connections within math and across disciplines, and communicate their ideas.

6.G.1 Attributes: Students will identify and describe geometric attributes of two- dimensional shapes.

6.G.1.a Identify and create nets to represent two-dimensional drawings of prisms and pyramids.

6.G.2 Coordinate Geometry: Students will determine location, orientation, and relationships on the coordinate plane.

SEE WORK WITH COORDINATE PLANES IN RATIOS AND PROPORTIONS (6.R.2)

6.G.3 Measurement: Students identify geometric attributes that create two- and three-dimensional shapes in order to perform measurements and apply formulas to find area and volume.

6.G.3.a Determine the area of quadrilaterals and triangles by composition and decomposition of these shapes, as well as applications of properties and formulas. Quadrilaterals include parallelograms and trapezoids.

6.G.3.b Determine the surface area of rectangular prisms and triangular prisms using nets as well as application of formulas.

6.G.3.c Apply volume formulas for triangular prisms.

DATA: Students will solve problems and reason with data/probability using multiple representations, make connections within math and across disciplines, and communicate their ideas.

6.D.1 Data Collection and Statistical Methods: Students will formulate statistical investigative questions, collect data, and organize data.

No additional indicators at this level.

6.D.2 Analyze Data and Interpret Results: Students will represent and analyze the data and interpret the results.

- 6.D.2.a Represent data using dot plots, box-and-whisker plots, and histograms.
- 6.D.2.b Solve problems using information presented in dot plots, box-and-whisker plots, histograms, and circle graphs.
- 6.D.2.c Find and interpret the mean, median, mode, and range for a set of data.
- 6.D.2.d Compare the mean, median, mode, and range from two sets of data.
- 6.D.2.e Compare and interpret data sets based upon their measures of central tendency and graphical representations (e.g., center, spread, shape).

6.D.3 Probability: Students will interpret and apply concepts of probability.

- 6.D.3.a Identify a list of possible outcomes for a simple event.
- 6.D.3.b Describe the theoretical and experimental probability of an event using a fraction, percentage, and decimal.
- 6.D.3.c Express the degree of likelihood (possible, impossible, certain, more likely, equally likely, or less likely) of simple events.
- 6.D.3.d Compare and contrast theoretical and experimental probabilities.

Grade 7 Standards






Grade 7 Content Focus

During Grade 7, instruction should emphasize the development of the mathematical processes as the vehicle for mastering the grade-level content. Instruction should focus on these critical areas:

- Developing an understanding of proportional relationships.
- Understanding operations with rational numbers.
- Using expressions and linear equations to represent and solve problems.
- Solving problems involving perimeter and area of two-dimensional figures as well as surface area and volume of three-dimensional figures.
- Investigating probability concepts.

Mathematical Processes

To develop essential mathematical habits of mind, mathematically proficient students:

<p>Make sense of problems and persevere in solving them.</p> 	<p>Reason quantitatively and abstractly and consider the reasoning of others.</p> 	<p>Create and use representations to organize, record, and communicate mathematical ideas.</p> 	<p>Analyze mathematical relationships to connect mathematical ideas.</p> 	<p>Explain and justify mathematical ideas using precise mathematical language in written or oral communication.</p> 
PROBLEM SOLVING	REASONING	REPRESENTATIONS	CONNECTIONS	COMMUNICATION

NUMBER: Students will solve problems and reason with number concepts using multiple representations, make connections within math and across disciplines, and communicate their ideas.

7.N.1 Numeric Relationships: Students will demonstrate, represent, and show relationships among rational numbers within the base-ten number system.

No additional indicator(s) at this level.

7.N.2 Operations: Students will compute with rational numbers accurately.

7.N.2.a Add, subtract, multiply, and divide rational numbers (e.g., positive and negative fractions, decimals, and integers).

7.N.2.b Apply properties of operations (commutative, associative, distributive, identity, inverse, zero) as strategies for problem solving with rational numbers.

³RATIOS AND PROPORTIONS: Students will understand ratio concepts and use ratio reasoning to solve problems.

7.R.1 Proportional Relationships: Students will understand the concept of proportions, use language to describe the relationship between two quantities, and use proportions to solve authentic situations.

7.R.1.a Decide whether two quantities are in a proportional relationship (e.g., by testing for equivalent ratios in a table).

7.R.1.b Represent and solve authentic problems with proportions.

7.R.1.c Use proportional relationships to solve authentic percent problems (e.g., percent change, sales tax, mark-up, discount, tip).

7.R.1.d Solve authentic problems involving scale drawings.

ALGEBRA: Students will solve problems and reason with algebra using multiple representations, make connections within math and across disciplines, and communicate their ideas.

7.A.1 Algebraic Processes: Students will apply the operational properties when evaluating expressions, and solving equations and inequalities.

7.A.1.a Use factoring and properties of operations to create equivalent algebraic expressions (e.g., $2x + 6 = 2(x + 3)$).

³ Ratios and Proportions is a new content strand found only in Grades 6 and 7.

7.A.1.b Given the value of the variable(s), evaluate algebraic expressions, which may include absolute value.

7.A.1.c Solve one- and two-step equations involving rational numbers.

7.A.1.d Solve equations using the distributive property and combining like terms.

7.A.1.e Solve one- and two-step inequalities involving integers and represent solutions on a number line.

7.A.2 Applications: Students will solve authentic problems with algebraic expressions, equations, and inequalities.

7.A.2.a Write one- and two-step equations involving rational numbers from words, tables, and authentic situations.

7.A.2.b Write one- and two-step inequalities to represent authentic situations involving integers.

GEOMETRY: Students will solve problems and reason with geometry using multiple representations, make connections within math and across disciplines, and communicate their ideas.

7.G.1 Attributes: Students will identify angle relationships and apply properties to determine angle measures.

7.G.1.a Apply properties of adjacent, complementary, supplementary, linear pair, and vertical angles to find missing angle measures.

7.G.2 Coordinate Geometry: Students will determine location, orientation, and relationships on the coordinate plane.

7.G.2.a Draw polygons in the coordinate plane given coordinates for the vertices.

7.G.2.b Calculate vertical and horizontal distances in the coordinate plane to find perimeter and area of rectangles.

7.G.3 Measurement: Students will identify geometric attributes that create two- and three-dimensional shapes in order to perform measurements and apply formulas to find area and volume.

7.G.3.a Solve authentic problems involving perimeter and area of composite shapes made from triangles and quadrilaterals.

7.G.3.b Determine surface area and volume of composite rectangular and triangular prisms.

7.G.3.c Determine the area and circumference of circles both on and off the coordinate plane using 3.14 for the value of Pi.

DATA: Students will solve problems and reason with data/probability using multiple representations, make connections within math and across disciplines, and communicate their ideas.

7.D.1 Data Collection and Statistical Methods: Students will formulate statistical investigative questions, collect data, and organize data.

7.D.1.a Create an investigative question and collect data.

7.D.1.b Generate conclusions about a population based on a random sample.

7.D.1.c Identify and critique biases in various data representations.

7.D.2 Analyze Data and Interpret Results: Students will represent and analyze the data and interpret the results.

No additional indicator(s) at this level.

7.D.3 Probability: Students will interpret and apply concepts of probability.

7.D.3.a Find theoretical and experimental probabilities for compound independent and dependent events.

7.D.3.b Identify complementary events and calculate their probabilities.

Grade 8 Standards

Grade 8 Content Focus

During Grade 8, instruction should emphasize the development of the mathematical processes as the vehicle for mastering the grade-level content. Instruction should focus on these critical areas:

- Using linear equations to represent, analyze, and solve a variety of problems.
- Developing an understanding of irrational numbers and integer exponents.
- Analyzing two-dimensional figures and solving problems using understanding of distance, angle, similarity, and congruence.
- Understanding and applying the Pythagorean Theorem.
- Determining and describing rate of change and y-intercept for given situations.

Mathematical Processes

To develop essential mathematical habits of mind, mathematically proficient students:

Make sense of problems and persevere in **solving** them.



PROBLEM SOLVING

Reason quantitatively and abstractly and consider the reasoning of others.



REASONING

Create and use **representations** to organize, record, and communicate mathematical ideas.



REPRESENTATIONS

Analyze mathematical relationships to **connect** mathematical ideas.



CONNECTIONS

Explain and justify mathematical ideas using precise mathematical language in written or oral **communication**.



COMMUNICATION

NUMBER: Students will solve problems and reason with number concepts using multiple representations, make connections within math and across disciplines, and communicate their ideas.

8.N.1 Numeric Relationships: Students will demonstrate, represent, and show relationships among real numbers within the base-ten number system.

8.N.1.a Determine subsets of numbers as natural, whole, integer, rational, irrational, or real based on the definitions of these sets of numbers.

8.N.1.b Represent numbers with positive and negative exponents and in scientific notation.

8.N.1.c Describe the difference between a rational and irrational number.

8.N.1.d Approximate, compare, and order real numbers, both rational and irrational, and locate them on the number line.

8.N.2 Operations: Students will compute with exponents and roots.

8.N.2.a Evaluate the square roots of perfect squares less than or equal to 400 and cube roots of perfect cubes less than or equal to 125.

8.N.2.b Simplify numerical expressions involving integer exponents, square roots, and cube roots (e.g., 4^{-2} is the same as $1/16$).

8.N.2.c Evaluate numerical expressions involving absolute value.

8.N.2.d Multiply and divide numbers using scientific notation.

ALGEBRA: Students will solve problems and reason with algebra using multiple representations, make connections within math and across disciplines, and communicate their ideas.

8.A.1 Algebraic Processes: Students will apply the operational properties when evaluating expressions and solving equations.

8.A.1.a Describe single variable equations as having one solution, no solution, or infinitely many solutions.

8.A.1.b Solve multi-step equations involving rational numbers with the same variable appearing on both sides of the equation.

8.A.1.c Solve equations of the form $x^2 = k$ ($k \leq 400$) and $x^3 = k$ ($k \leq 125$), where k is a positive rational number, using square root and cube root symbols.

8.A.2 Applications: Students will solve authentic problems involving multi-step equations.

8.A.2.a Write multi-step single variable equations from words, tables, and authentic situations.

8.A.2.b Determine and describe the rate of change for given situations through the use of tables and graphs.

8.A.2.c Graph proportional relationships and interpret the rate of change.

GEOMETRY: Students will solve problems and reason with geometry using multiple representations, make connections within math and across disciplines, and communicate their ideas.

8.G.1 Attributes: Students will apply properties of angle relationships in triangles and with lines to determine angle measures.

8.G.1.a Determine and use the relationships of the interior angles of a triangle to solve for missing measures.

8.G.1.b Identify and apply geometric properties of parallel lines cut by a transversal and the resulting corresponding same side interior, alternate interior, and alternate exterior angles to find missing measures.

8.G.2 Coordinate Geometry: Students will determine location, orientation, and relationships on the coordinate plane.

8.G.2.a Perform and describe positions and orientations of shapes under single transformations including rotations in multiples of 90 degrees about the origin, translations, reflections, and dilations on and off the coordinate plane.

8.G.2.b Determine if two-dimensional figures are congruent or similar.

8.G.2.c Perform and describe positions and orientations of shapes under a sequence of transformations on and off the coordinate plane.

8.G.3 Measurement: Students will reason with formulas and context to determine and compare length, area, and volume.

8.G.3.a Explain a model of the Pythagorean Theorem.

8.G.3.b Apply the Pythagorean Theorem to find side lengths of triangles and to solve authentic problems.

8.G.3.c Find the distance between any two points on the coordinate plane using the Pythagorean Theorem.

8.G.3.d Determine the volume of cones, cylinders, and spheres and solve authentic problems using volumes.

DATA: Students will solve problems and reason with data/probability using multiple representations, make connections within math and across disciplines, and communicate their ideas.

8.D.1 Data Collection and Statistical Methods: Students will formulate statistical investigative questions, collect data, and organize data.

No additional indicator(s) at this level.

8.D.2 Analyze Data and Interpret Results: Students will represent and analyze the data and interpret the results.

8.D.2.a Represent and interpret bivariate data (e.g., ordered pairs) using scatter plots.

8.D.2.b Describe patterns such as positive or negative association, linear or nonlinear association, clustering, and outliers when bivariate data is represented on a coordinate plane.

8.D.2.c Draw an informal line of best fit based on the closeness of the data points to the line.

8.D.2.d Use a linear model to make predictions and interpret the rate of change and y-intercept in context.

8.D.3 Probability: Students will interpret and apply concepts of probability.

No additional indicator(s) at this level.

High School Standards

High School Content Focus

During high school, instruction should emphasize the development of the mathematical processes as the vehicle for mastering the content standards. The content standards are designed to be accessible to each and every high school student prior to graduation whereas the Advanced Topics reflect the mathematical content leading to certain career interests. Schools have the flexibility to organize the standards into integrated or strand-focused courses.

NUMBER: Instruction in Number should focus on these critical areas:

- Working in authentic contexts, solutions involve quantities, numbers with units.
- Using units, approximations, and estimations to check the reasonableness of their work.
- Understanding how forms of approximation can accumulate errors when problem solving.
- Understanding the four operations on real numbers applies to complex numbers.

ALGEBRA: Instruction in Algebra should focus on these critical areas:

- Solving many authentic problems to best understand patterns, expressions, relations, and functions.
- Using algebraic symbols and mathematical models to represent and demonstrate an understanding of quantitative relationships.
- Analyzing change as it arises in various contexts such as physical and social as supported by algebraic reasoning and the concept of function.
- Interpreting the functions in multiple representations, using their points of interest, and connecting across multiple representations to understand their mathematical equivalence instead of rote steps or procedures.

GEOMETRY: Instruction in Geometry should focus on these critical areas:






- Using mathematics to define the spatial attributes of the world around us.
- Exploring transformations (translations, reflections, rotations, and dilations) to build a foundation to understand congruence, similarity, and symmetry.
- Formalizing geometric concepts using planar geometry, parallelism, congruence, similarity, and symmetry.
- Connecting algebra and geometry via coordinate geometry, planar transformations, and trigonometry.
- Developing skills of argumentation and proof by proving congruence, similarity, symmetry, and other concepts of plane geometry.

DATA: Instruction in Data should focus on these critical areas:

- Using numbers in context (data) with the mathematical processes can result in better predictions and informed decisions.
- Using tools to apply statistical methods to describe patterns and trends.
- Understanding randomness, variability, and causality through data collection, data analysis, and interpretation of results.
- Describing data using probability and sampling distributions to judge whether a result is unsurprising or rare.

Mathematical Processes

To develop essential mathematical habits of mind, mathematically proficient students:

<p>Make sense of problems and persevere in solving them.</p> 	<p>Reason quantitatively and abstractly and consider the reasoning of others.</p> 	<p>Create and use representations to organize, record, and communicate mathematical ideas.</p> 	<p>Analyze mathematical relationships to connect mathematical ideas.</p> 	<p>Explain and justify mathematical ideas using precise mathematical language in written or oral communication.</p> 
PROBLEM SOLVING	REASONING	REPRESENTATIONS	CONNECTIONS	COMMUNICATION

NUMBER: Students will solve problems and reason with number concepts using multiple representations, make connections within math and across disciplines, and communicate their ideas.

HS.N.1 Estimation and Technology: Students will use estimation strategies and technology to reason, to solve problems, and to make connections within mathematics and across disciplines.

HS.N.1.a Select, apply, and explain the method of computation when problem solving using real numbers (e.g., models, mental computation, paper-pencil, technology).

HS.N.1.b Determine if the context of a problem calls for an approximation or an exact value. HS.N.1.c

Determine the rounding convention to be used based on the context of a problem.

HS.N.1.d Estimate a value using the concept of betweenness by bounding above and below (e.g., since $\log(10) = 1$ and $\log(1,000) = 3$ we know $\log(500)$ is between 1 and 3).

HS.N.1.e Determine the tolerance interval and percent of error in measurement. HS.N.1.f Convert equivalent rates (e.g., miles per hour to feet per second).

HS.N.1.g Determine whether extremely large or extremely small quantities can be reasonably represented by a calculator or graphing utility.

HS.N.1.h Use scientific notation to appropriately represent large and small quantities.

HS.N.2 Sets and Operations: Students will use number sets and operations to reason and to solve problems.

HS.N.2.a Extend the properties of exponents to rational numbers. HS.N.2.b Use properties of rational and irrational numbers.

HS.N.2.c Demonstrate, represent, and show relationships among the subsets of real numbers and the complex number system.

HS.N.2.d Compute with subsets of the complex number system including imaginary, rational, irrational, integers, whole, and natural numbers.

HS.N.3 Interpretation and Sense Making: Students will reason abstractly and quantitatively using units to solve problems and interpret results in context.

HS.N.3.a Understand roundoff error and why roundoff error accumulates when rounding occurs prior to the last step in a computation.

HS.N.3.b Use estimation methods to check the reasonableness of real number computations and decide if the problem calls for an approximation (including appropriate rounding) or an exact number.

HS.N.3.c Use units to assess the validity of an answer in the context of a problem. HS.N.3.d

Communicate the meaning of an answer in the context of a problem.

ALGEBRA: Students will solve problems and reason with algebra using multiple representations, make connections within math and across disciplines, and communicate their ideas.

HS.A.1 Algebraic Relationships: Students will demonstrate and represent relationships with functions.

HS.A.1.a Demonstrate that functions are a well mapped subdomain of relations.

HS.A.1.b Analyze a relation to determine if it is a function given mapping diagrams, function notation (e.g., $f(x)=x^2$), a table, or a graph.

HS.A.1.c Classify a function given its mapping diagram, function notation, table, or graph as a linear, quadratic, absolute value, exponential, or other function.

HS.A.1.d Analyze a function's domain and range to determine if it is one-to-one and has an inverse function both algebraically and graphically.

HS.A.1.e Define, interpret, and analyze linear, quadratic, absolute value, and exponential functions using the points of interest of the functions and graphing technology.

HS.A.1.f Identify, analyze, and apply transformations of existing functions (including translation and dilation). HS.A.1.g Interpret logarithmic equations as exponential equations.

HS.A.1.h Describe arithmetic sequences using tables of values and functions in explicit and recursive forms. HS.A.1.i Describe geometric sequences using tables of values and functions in explicit and recursive forms.

HS.A.2 Algebraic Processes: Students will apply the operational properties when evaluating rational expressions and solving linear and quadratic equations, and inequalities.

HS.A.2.a Analyze and explain the properties used in solving equations, inequalities, systems of linear equations, systems of linear inequalities, and literal equations.

HS.A.2.b Generate expressions in equivalent forms by using algebraic properties to make different characteristics or features visible.

HS.A.2.c Analyze equations and inequalities to determine and apply efficient methods to solve and use appropriate technology as needed.

HS.A.2.d Calculate the slope (rate of change) of a line given coordinate points, a graph, or a table of values.

HS.A.2.e Write and graph equations of functions (linear, absolute value, quadratic, and exponential) using the points of interest of the function.

HS.A.2.f Given a line, write the equation of a line that is parallel or perpendicular to it.

HS.A.2.g Perform and explain operations such as addition, subtraction, multiplication, division, and factoring on polynomials.

HS.A.2.h Explain the connection between the factors of a polynomial and the zeros of a polynomial. HS.A.2.i Combine functions by composition and perform operations on functions.

HS.A.3 Applications: Students will solve authentic problems using nonlinear functions.

HS.A.3.a Analyze and model authentic situations using various representations and appropriate technology.

HS.A.3.b Identify, interpret, relate, and graph the factors, x-intercepts, roots, and zeros of polynomial functions using algebraic and graphing methods.

HS.A.3.c Identify and predict appropriate solutions to equations given context and domain/range (e.g., extraneous solutions, imaginary solutions, no solution, infinitely many solutions).

GEOMETRY: Students will solve problems and reason with geometry using multiple representations, make connections within math and across disciplines, and communicate their ideas.

TOOLS: Students will sketch, draw, and construct appropriate representations using a variety of tools and methods which may include ruler/straight edge, protractor, compass, reflective devices, paper folding, or dynamic geometric software.

HS.G.1 Attributes: Students will identify and describe geometric attributes, apply properties and theorems, and create two-dimensional shapes.

HS.G.1.a Demonstrate that two figures are similar or congruent by using a sequence of rigid motions and dilations that map a figure onto the other in problems both with and without coordinates.

HS.G.1.b Describe symmetries of a figure in terms of rigid motions that map a figure onto itself and make inferences about symmetric figures (e.g., unknown side lengths or angle measures) in problems both with and without coordinates.

HS.G.1.c Explain how the criteria for triangle congruence and similarity (ASA, SAS, and AAS SSS congruence; AA similarity criterion) follow from the definition of congruence and similarity in terms of corresponding parts.

HS.G.1.d Identify and apply right triangle relationships including converse of the Pythagorean Theorem.

HS.G.1.e Apply side and angle relationships of special right triangles (30-60-90 and 45-45-90) to solve geometric problems.

HS.G.1.f Identify and apply right triangle relationships including sine, cosine, and tangent. HS.G.1.g Apply interior and exterior angle formulas for n-gons and apply to authentic situations.

HS.G.1.h Compare/contrast the properties of quadrilaterals: parallelograms, rectangles, rhombi, squares, kites, trapezoids, and isosceles trapezoids.

HS.G.1.i Use slope and the distance formula to determine the type of quadrilateral.

HS.G.1.j Identify, describe, apply, and reason through properties of central angles, inscribed angles, angles formed by intersecting chords, secants, and/or tangents to find the measures of angles related to the circle, arc lengths, and areas of sectors.

HS.G.2 Attributes: Students will identify and describe geometric attributes, apply properties and theorems and create three-dimensional shapes.

HS.G.2.a Convert between various units of volume (e.g., cubic feet to cubic yards).

HS.G.2.b Apply the effect of a scale factor to determine the volume of similar three-dimensional shapes and solids.

HS.G.2.c Determine surface area and volume of pyramids, as well as solids that are composites of pyramids, prisms, spheres, cylinders, and cones, using formulas and appropriate units.

HS.G.3 Coordinate Geometry and Transformations: Students will demonstrate and represent location, orientation, and relationships on the coordinate plane.

HS.G.3.a Derive the midpoint formula using the concept of average and apply the midpoint formula to find coordinates.

HS.G.3.b Find the images and preimages of transformations of a point, shape, or a relation on the coordinate plane. Transformations include the following and their compositions: reflections across horizontal and vertical lines and the lines $y=x$ and $y=-x$, rotations about the origin of 90 degrees, dilations about the origin by any positive scale factor, and any translation.

HS.G.3.c Find the equation of a circle given the radius and the center.

HS.G.4 Logic and Proof: Students will use geometric definitions and theorems to reason abstractly and quantitatively.

HS.G.4.a Know and use definitions to make deductions in mathematical argumentation (e.g., syllogism, detachment).

HS.G.4.b Evaluate the validity of conditional statements, including biconditional statements (e.g., conditional, converse, contrapositive, inverse).

HS.G.4.c Evaluate the validity of an argument communicated in different ways (e.g., a flow format, two-column, paragraph format).

HS.G.4.d Use coordinate geometry to prove triangles are right, acute, obtuse, isosceles, equilateral, or scalene.

HS.G.4.e Prove and apply geometric properties and theorems regarding triangles, congruence, and similarity using deductive reasoning.

HS.G.4.f Prove and apply geometric theorems about quadrilaterals using deductive reasoning.

DATA: Students will solve problems and reason with data/probability using multiple representations, make connections within math and across disciplines, and communicate their ideas.

HS.D.1 Data Collection and Statistical Methods: Students will formulate statistical investigative questions, collect data, and organize data.

HS.D.1.a Formulate multi-variable statistical investigative questions and determine how data can be collected and analyzed to provide an answer.

HS.D.1.b Apply an appropriate data collection plan when collecting primary data for the statistical investigative question of interest.

HS.D.1.c Use appropriate technology, including spreadsheet-based logic, to organize data for analysis. HS.D.1.d Distinguish between surveys, observational studies, and experiments.

HS.D.1.e Understand what constitutes good practice in designing a sample survey, an experiment, and an observational study.

HS.D.1.f Understand issues of bias and confounding variables in a study and their implications for interpretation.

HS.D.2 Analyze Data and Interpret Results: Students will represent and analyze the data and interpret the results.

HS.D.2.a Identify appropriate ways to summarize and then represent the distribution of univariate data and bivariate data through the construction of histograms, dot plots, stem plots, box plots, cumulative relative frequency graphs, time plots, circle graphs, stacked bar graphs, and mosaic bar graphs by hand or with technology.

HS.D.2.b Describe the shape, identify any outliers, and determine the spread of a data set.

HS.D.2.c Select and determine the appropriate measure of center based on the shape of a distribution and/or the presence of outliers.

HS.D.2.d Recognize when a data set can be reasonably said to be normally distributed and draw conclusions about the data from the associated normal distribution.

HS.D.2.e Summarize categorical data for two categories in two-way frequency tables. Interpret relative frequencies in the context of the data and recognize possible associations and trends in the data.

HS.D.2.f Represent data on two quantitative variables on a scatter plot and describe how the variables are related.

HS.D.2.g Use technology to develop regression models for linear and non-linear data to predict unobserved outcomes. Interpret slope and y-intercept in the context of the problem.

HS.D.2.h Measure the strength of association using correlation coefficients for regression curves and interpret their meanings for the model.

HS.D.2.i Use residuals and residual plots to judge the quality of a regression model.

HS.D.2.j Recognize and explain when arguments based on data confuse correlation with causation.

HS.D.2.k Understand what constitutes statistical significance. Interpret statistical significance in the context of a situation and answer investigative questions appropriately.

HS.D.2.l Use probability as a tool for assessing risk and for informed decision making by interpreting P-values.

HS.D.2 Analyze Data and Interpret Results: Students will represent and analyze the data and interpret the results.

HS.D.3.a Describe events as subsets of a sample space using characteristics of the outcomes or as unions, intersections, or complements of other events.

HS.D.3.b Explain independent versus dependent probability of an event.

HS.D.3.c Determine when order in counting matters and use permutations and combinations to compute probabilities of events accordingly.






HS.D.3.d Determine whether or not events are mutually exclusive (disjoint) and calculate their probabilities in either case.

HS.D.3.e Recognize and explain the concepts of conditional probability in everyday language and everyday situations.

High School Advanced Topics Standards

Mathematical Processes

To develop essential mathematical habits of mind, mathematically proficient students:

<p>Make sense of problems and persevere in solving them.</p> 	<p>Reason quantitatively and abstractly and consider the reasoning of others.</p> 	<p>Create and use representations to organize, record, and communicate mathematical ideas.</p> 	<p>Analyze mathematical relationships to connect mathematical ideas.</p> 	<p>Explain and justify mathematical ideas using precise mathematical language in written or oral communication.</p> 
PROBLEM SOLVING	REASONING	REPRESENTATIONS	CONNECTIONS	COMMUNICATION

NUMBER: Students will solve problems and reason with number concepts using multiple representations, make connections within math and across disciplines, and communicate their ideas.

AT.N.1 Estimation and Technology: Students will use estimation strategies and technology to reason, to solve problems, and to make connections within mathematics and across disciplines.

AT.N.1.a Use domain and range restrictions to apply an appropriate viewing window while using graphing technology.

AT.N.1.b Compare and contrast radians and degrees as measures of angles and the reason graphing utilities tend to use radians as the default setting.

AT.N.2 Sets and Operations: Students will compare and contrast subsets and perform operations with subsets of the complex number system to reason and to solve problems.

AT.N.2.a Perform arithmetic operations with complex numbers.

AT.N.2.b Represent complex numbers and their operations in the complex plane. AT.N.2.c Use complex numbers in polynomial identities and equations.

AT.N.2.d Represent quantities using bases other than decimal such as binary (base 2) or hexadecimal (base 16) and convert numbers to and from base 10.

AT.N.2.e Explain modular arithmetic and its role in computer programming. AT.N.2.f Represent and model vector quantities.

AT.N.2.g Perform operations on vectors.

AT.N.2.h Perform operations on matrices and use matrices in applications.

AT.N.3 Interpretation and Sense Making: Students will reason abstractly and quantitatively using units to solve problems and interpret results in context.

AT.N.3.a Use vectors to communicate the geometric relationships between complex numbers in the complex plane.

ALGEBRA: Students will solve problems and reason with algebra using multiple representations, make connections within math and across disciplines, and communicate their ideas.

AT.A.1 Algebraic Relationships: Students will demonstrate and represent relationships with functions.

AT.A.1.a Analyze and graph nonlinear functions (trigonometric, rational, higher-order polynomials, logarithmic, and piecewise) and relations (conic sections) using their points of interest and graphing technology.

AT.A.1.b Use the unit circle to define the trigonometric functions on multiples of known angles (positive and negative multiples of 30 and 45 degrees or $\pi/6$ and $\pi/4$).

AT.A.1.c Given a function, list the sequence of algebraic transformations that changes a parent function to the given function.

AT.A.1.d Define the radian unit of measure and its relationship with degrees.

AT.A.2 Algebraic Processes: Students will apply the operational properties when evaluating nonlinear expressions and solving nonlinear equations and inequalities.

AT.A.2.a Explain symmetry of functions and determine whether a function is odd, even, or neither.

AT.A.2.b Represent, interpret, and analyze inverses of functions algebraically and graphically using domain restrictions when necessary.

AT.A.2.c Write equations of nonlinear functions (trigonometric, rational, higher-order polynomials, logarithmic and piecewise) using points of interest of the function.

AT.A.2.d Convert between radian and degree measures of an angle.

AT.A.2.e Use limits to describe the behavior of a function near its asymptotes and removable discontinuities.

AT.A.3 Applications: Students will solve authentic problems using nonlinear functions and relations.

AT.A.3.a Analyze and model authentic situations using various non-linear representations and relations with appropriate technology.

AT.A.3.b Analyze and model authentic application situations using various non-linear representations and relations with appropriate technology.

GEOMETRY: Students will solve problems and reason with geometry using multiple representations, make connections within math and across disciplines, and communicate their ideas.

TOOLS: Students will sketch, draw, and construct appropriate representations using a variety of tools and methods which may include ruler/straight edge, protractor, compass, reflective devices, paper folding, or dynamic geometric software.

AT.G.1 Attributes: Students will identify and describe geometric attributes, apply properties and theorems, and create two-dimensional shapes.

AT.G.1.a Apply the Law of Sines and the Law of Cosines to find unknown measures in triangles.

AT.G.2 Attributes: Students will identify and describe geometric attributes, apply properties and theorems, and create three-dimensional shapes.

AT.G.2.a Determine the three-dimensional object created by rotating or revolving a two-dimensional object about an axis.

AT.G.2.b Determine the shape of a two-dimensional cross-section of a three-dimensional object. AT.G.2.c Use

Cavalieri's Principle to determine volume of three-dimensional figures.

AT.G.3 Coordinate Geometry and Transformations: Students will demonstrate and represent location, orientation, and relationships on the coordinate plane.

AT.G.3.a Identify symmetry properties of a function (e.g., axis of symmetry of a parabola) and know the connection between its symmetry properties and specific transformations.

AT.G.3.b Recognize that translations can be described in terms of vectors.

AT.G.3.c Find the images and preimages of transformations of a point, shape, or relation on the coordinate plane, where transformations include the following compositions: reflections about lines of any rational slope passing through the origins, dilations about the origin by any positive scale factor, and translations.

AT.G.3.d Explain the focus-directrix construction of a parabola and derive the equation of a parabola from focus and directrix for a parabola whose axis of symmetry is a coordinate axis.

AT.G.4 Logic and Proof: Students will use geometric definitions and theorems to reason abstractly and quantitatively.

AT.G.4.a Use known definitions and results in informal argumentation to construct logical arguments.

AT.G.4.b Distinguish between empirical reasoning, examples, and deductive reasoning, as well as informal and formal reasoning.

AT.G.4.c Evaluate the deductive consequences of alternative definitions of known objects (e.g., whether a trapezoid is defined as a quadrilateral with exactly one pair of parallel sides or defined as at least one pair of parallel sides).

DATA: Students will solve problems and reason with data/probability using multiple representations, make connections within math and across disciplines, and communicate their ideas.

AT.D.1 Data Collection and Statistical Methods: Students will formulate statistical investigative questions, collect data, and organize data.

AT.D.1.a Explain what constitutes good practice in designing a sample survey, an experiment, and an observational study.

AT.D.1.b Explain the use of randomization to reduce the influence of confounding or lurking variables. AT.D.1.c Explain issues of bias and confounding variables in a study and their implications for interpretation.

AT.D.1.d Demonstrate knowledge of the role sampling distributions play in the estimation of an unknown population parameter through the use of appropriate sampling techniques.

AT.D.2 Analyze Data and Interpret Results: Students will represent and analyze the data and interpret the results.

AT.D.2.a Determine when a data set can be reasonably said to be normally distributed and draw conclusions about the data from the associated normal distribution.

AT.D.2.b Use technology to develop regression models for linear and non-linear data to predict unobserved

outcomes. Apply algebraic transformations to non-linear data to generate a linearized data set and employ linear regression techniques to analyze the non-linear data set.

AT.D.3 Probability: Students will interpret and apply concepts of probability.

AT.D.3.a Weigh the possible outcomes of a decision by assigning probabilities to payoff values and finding expected values. Interpret the expected value as the mean of a probability distribution.

AT.D.3.b Communicate what constitutes statistical significance. Interpret statistical significance in the context of a situation and answer investigative questions appropriately.

AT.D.3.c Use data to compare two groups, describe sample variability, and decide if differences between parameters are significant based on the statistics.

AT.D.3.d Use probability as a tool for assessing risk and for informed decision making by computing and interpreting P-values.

AT.D.3.e Use confidence intervals to estimate an unknown population parameter.

Monthly Business Manager Board of Education Report August 2022

June Lunch #'s = 1,934 Breakfast served, 6,087 Lunch served

Financial #'s = After 100%% of fiscal year = General Fund YTD Revenue is 104% YTD Expense is 102%
All Funds YTD Revenue is 110%, YTD Expenses is 106%

Projects - Updates

Track work

Track is complete

On-going work on landscaping and sidewalk work.

Shot put area work to begin / Existing building work to begin

JH HVAC

Adjustments are being made to system

Upcoming Projects

2021-2021 RFP's

RFP for SH gymnasium roof has been published.

RFP for Central elementary roof will be published

Prepare and request Joint Public Hearing for Tax Request

Allowable rate is 2.74%

We are at 3.79%

Federal/state Reports filed in August:

Budget work

Reimbursement requests for Grants

IDEA school age

IDEA Apportionment share

IDEA Pre-school

IDEA ARP School age

IDEA ARP Apportionment share

IDEA ARP Pre-school

Title

Title II

Title IX

Essers III - JH HVAC

Essers III - Summer School and Extended Day

Applications through NDE

2022-2023 Food Service

IDEA school age

IDEA Apportionment share

IDEA Pre-school

Title

Title II

Title IX