



STEM/STEAM Campus Update

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Purpose of Tonight's Update

- Provide a brief reminder of the STEM/STEAM work previously presented
 - STEM: Science, Technology, Engineering, Math
 - STEAM: Science, Technology, Engineering, Art, and Math
- Hear from campus leaders about progress from this year
- Preview priorities for next year
- Show how Bowie, Purcell, and Mann are each building toward a shared K-12 district vision
- Bringing our district vision to life
 - Equipped Learners, Brighter Futures



District Vision for STEM/STEAM Campuses

- STEM/STEAM is a schoolwide instructional identity
- Strong academics remain the foundation
- Students apply learning through problem solving, design thinking, collaboration, and real-world experiences
- Campus models are being developed in alignment with future pathways at The LIFT and ATEMS
 - Engineering and Other STEM pathways
 - STEM Fluency Skills



Where Each Campus Is in the Process

- All campuses: Grant-support for Planning Year and first two years of implementation
- Bowie STEM Academy: completed planning year and preparing for implementation
 - Year 1: K-1 and PALS Year 2: Grades 2-3 Year 3: Grades 4-5
- Purcell STEM Academy: completed planning year and preparing for implementation
 - Year 1: K-1 and PALS Year 2: Grades 2 & 3 Year 3: Grades 4 & 5
- Mann STEAM Academy: completed Year 1 of implementation
 - All grades
- Together, these campuses represent different phases of the same districtwide STEM/STEAM strategy



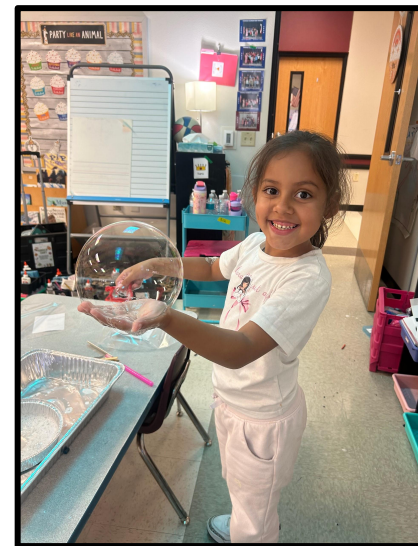
What You Will Hear From Campuses Tonight

- How each campus is developing its STEM/STEAM identity
- What leaders and teachers focused on this year
- What students experienced during planning or implementation
- How staff are being prepared and supported
- What each campus is prioritizing next year
- How progress will be monitored over time



Bowie and Purcell: What We Focused on This Year

- Clarifying Vision and Mission
- Planning year for full STEM Academies
- Building foundation
- Learning from other models, preparing staff, and creating early STEM experiences for students
- Goal: Build strong STEM campuses





Questions that drove the planning year

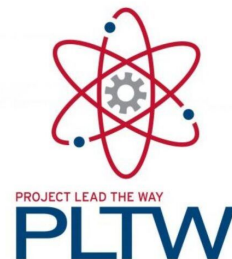
- What does a strong elementary STEM campus look like daily?
- What instructional practices need to be consistent across classrooms?
- What professional learning do our teachers need before implementation begins?
- What early experiences can help students, families, and staff understand the direction?
- How do we build a campus identity that is clear, meaningful, and sustainable?





How We Built Our Understanding

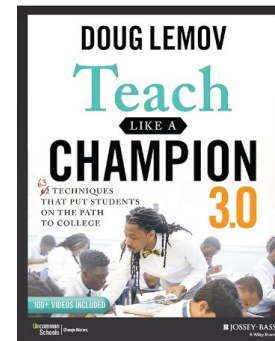
- Site visits
- Studied and observed Project-Based Learning instruction
- Explored resources
 - LEGO Education, Project Lead the Way, and Youth Engineering Solutions.
- STEM at the Elementary level
- We used this learning to shape our next steps for implementation.





The Instructional Framework We Are Building Around

- Shared instructional language
- Engineering Design Process
- 1st Teach, Best Teach (80/80 Rule)
- Gold Standard Modeling, Cold Call, and Active Observations
- This framework helps connect STEM learning with strong Tier 1 instruction.





What We Started Implementing This Year

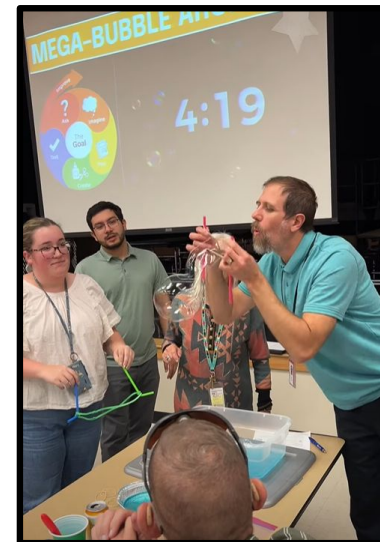
- Early teacher training and support in STEM instruction
- Early STEM experiences
 - STEM Fluency Skills: collaboration, communication, problem solving, etc.
- Family engagement in STEM
- Early excitement and momentum





How We Are Preparing Staff for Implementation

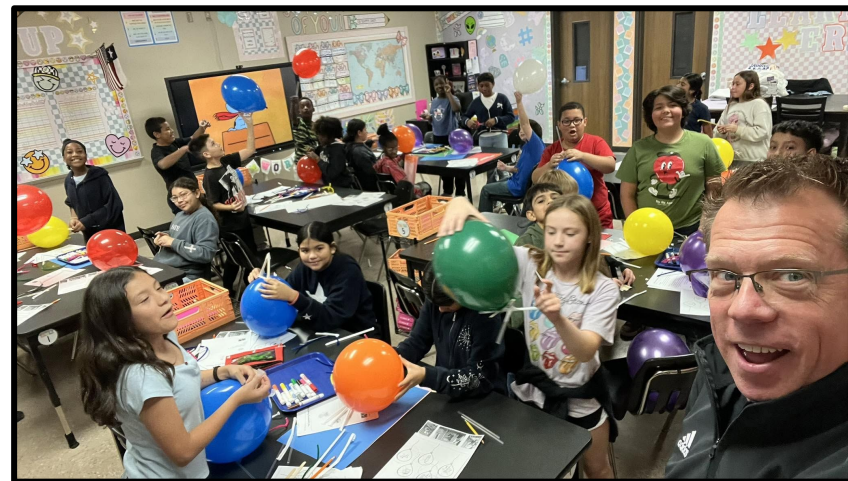
- Intentional recruiting, staffing, and professional development
- K-1 and PALS staffing
- Implementation stipends
- Professional development
- Clarity, confidence, and support





Student Experience

- STEM for all
- Developing STEM/STEAM electives and pathways
- Host family STEM nights
- Focus on STEM fluency
- Incorporate real world learning





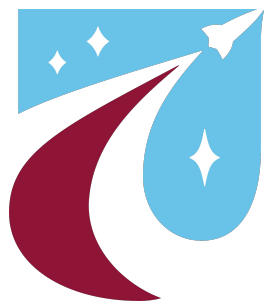
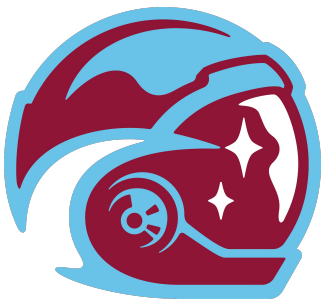
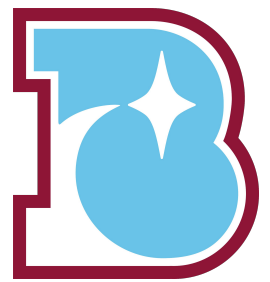
What We Are Ready to Do Next

- Move from planning to implementation
- STEM visibility
- Strengthen teacher confidence and consistency through support and coaching
- Stakeholder engagement
- Updated branding
- We are ready to transform education in Abilene ISD!





Bowie Branding Reveal



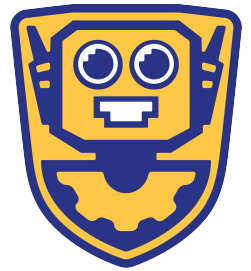
Bowie STEM Academy
ROCKETEERS



BOWIE
STEM Academy



Purcell Branding Reveal



Purcell STEM Academy
ENGINEERS



PURCELL
STEM Academy



Mann STEAM Academy: What the Board Heard Previously

- Mann's work included a community summit, redesign days, site visits, and stakeholder input.
- Priorities included critical thinking, problem solving, communication, real-world skills, and belonging.
- Implementation included Project Based Instruction, STEM electives, Project Lead the Way, and Amplify RLA HQIM.
- The campus moved from redesign planning into Year 1 implementation.



Mann STEAM Academy: Year 1 Implementation Recap

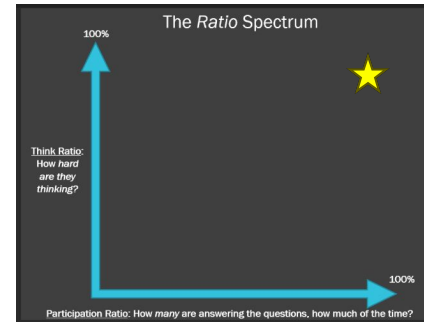


- Mann completed Year 1 of STEAM implementation.
- The campus moved from planning into daily practice. We operationalized the model.



Leader & Teacher Focus

- Strong “First Teach”
- “Raise the Ratio” in all classrooms
 - Campus-wide Instructional Strategies- Stop & Jot, Turn & Talk, Cold Call
- Instructional Rounds: Inspecting what we expect
- Project Based Learning- STEM Fluency Skills & Student Ownership
- STEAM electives - Flight & Space, Robotics, Design & Modeling, ESports
- Amplify RLA HQIM
- Bluebonnet Math HQIM

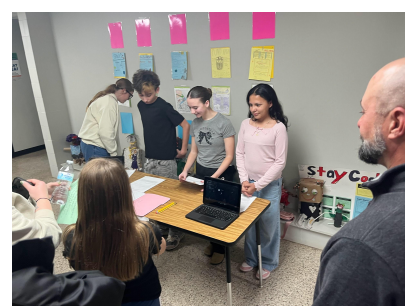
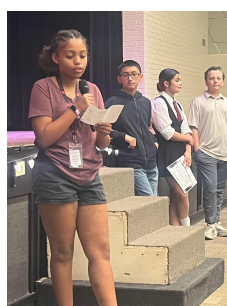




Mann Student Experience This Year



- Moving outside their comfort zone
- Focus on critical thinking, collaboration, communication, writing, and problem solving
- Owning their progress, setting goals, celebrating growth





Mann Academic Outcomes and Year 1 Learning

		2026 Preliminary			2025 (TAPR)			2025 Preliminary		
Campus	Test	APP +	MEETS +	MAS +	APP +	MEETS +	MAS +	APP +	MEETS +	MAS +
Mann	6R	64%	44%	21%	70%	44%	19%**	68%	41%	18%**
Mann	7R	71%**	41%**	20%**	69%**	41%	13%	67%**	39%	12%
Mann	8R	79%**	48%**	21%**	74%**	46%**	21%**	72%	43%**	19%
Mann	6M	61%	23%	7%	57%	22%	7%**	54%	19%	5%
Mann	7M	29%**	10%**	1%**	29%**	7%	2%**	26%	4%	0%
Mann	8M	67%**	36%**	8%**	55%	29%	7%	53%	27%	6%
Mann	Alg 1	97%	77%	49%	100%**	79%**	46%**	99%**	78%**	45%**
Mann	8 SS	51%**	23%**	9%	41%	18%	6%	38%	16%	5%

**Above District Average

Increase from 2025 TAPR

Decrease from 2025 TAPR





Mann Preview for Next Year



- Deepen implementation of the STEAM learning framework
- Strengthen Project Based Instruction across all 4 content areas
- Continue developing STEAM electives and pathways (adding Design and Modeling for 7th grade)
- Use academic outcome data to guide instructional priorities
- Build on Year 1 momentum: Master Instructional Techniques, Increase Student Ownership, 'Raise the Ratio' in all classrooms

PBL Video







Key Takeaways

- Equipped Learners, Brighter Futures in Action
- Bowie and Purcell moving into Implementation Year 1
- Mann Year 2 Implementation
- Ongoing District and Grant-funded Support