

McKinney ISD



2024-2025

Every Student, Every Day!

Pre K-12 Science

Elementary Science Coordinator - Teresa Bilyeu
Secondary Science Coordinator - Dr. Kendra Henke

In McKinney ISD, we empower all students with hands-on learning experiences that integrate science and engineering practices.

By engaging students in critical thinking, creativity, and problem-solving, we prepare them to thrive in a future-ready world.

McKinney ISD Science Mission

24-25 MISD Science Achievements

- Carried out a district-wide initiative to increase opportunities and access to STEAM experiences for Every Student, Every Day.
- Adopted and implemented a K-12 science resource that follows the 5E Model, emphasizes scientific and engineering practices, and integrates recurring themes and concepts through hands-on learning.
- Offered professional learning to address new Science TEKS and utilization of our newly adopted resource.

2024-2025 Science Focus

Focus	Action Steps	Next Steps
Increase science achievement for Every Student, Every Day, through strategic instruction and consistent support.	Provide alignment to New Art and Science of Teaching (NASOT) elements in the MISD Model of Instruction: <ul style="list-style-type: none">• Differentiation and engagement• Student centered inquiry• Varied science interactions• Academic vocabulary	Ensure continued progress and success through: <ul style="list-style-type: none">• STEAM resources in science• Hands-on learning experiences• Provide regular, clear feedback and time for reflection• Opportunities for student monitoring of achievement
Promote ongoing development of science instructional practices for MISD teachers, instructional coaches, and administrators.	Learning opportunities through: <ul style="list-style-type: none">• Campus and District Professional Development• Instructional Coach Trainings• NASOT Learning Walks• Learning and Leading with Administrators	<ul style="list-style-type: none">• Equip educators in deepening their understanding of NASOT design elements• Guide educators in applying NASOT strategies in science instruction• Provide curriculum documents to support instructional planning• Promote practices that deepen students' understanding of science

2024-2025 Elementary Highlights

1



CoServ leads our summer school 4th & 5th grade students in their STEAM activity POWERace that teaches how electric infrastructure is built and what it takes to power a community.

2



1st graders at Bennett Elementary learning about life cycles through hands-on activities as they care for chicks that have hatched in the incubators.

3



3rd grade students and Webb Elementary get some hands-on learning about Matter with Hand2Mind



@McKinneySTEAM
#CuriousCreativeConnected



@BilyeuTeresa
#McKinneyScience

2024-2025 Secondary Highlights


1

MISD STEAM @McKinneySTEAM · 8/26/24 ...
STEAM Ambassadors had the opportunity to learn all about the vision of #STEAM education in TX, practice #STEMFluencySkills & #EngineeringDesignProcess & meet a valued community partner and our title sponsor @NOVOSFIBER! Thank you for investing in #myMISD #CuriousCreativeConnected



 @McKinneySTEAM
#CuriousCreativeConnected

2

 **Mrs. Ort** @Ort_Science · 12/20/24
Coding Fun! @SJMSTigerPride 8th grader a showing off coding skills and harvesting cloud data. #McKinneyScience #MISDAdvancedGT



3

McKinney ISD @mckinneyisd · 11/1/24 ...
Students in Charles Morton's science classes at North studied the exterior and interior anatomical structures of bony fish during their fish dissection lab on Oct. 31! It was a fascinating journey of academic discovery and olfactory stamina.



 @KendraHenke
#McKinneyScience

Thank you for your support and the opportunity to share an overview of another successful year in the McKinney ISD science program.

