

NGSS in MVWSD

What is NGSS?

Next Generation Science Standards (NGSS) are inquiry-based, with hands-on learning components and scientific thinking practices. These standards place a greater emphasis on helping students understand the content of science, as well as the processes and practices used to apply new scientific knowledge.

How are we teaching science?

Response to Instruction (RTI) is time during the school day in place at all elementary schools. RTI is a great structure to use to meet both our goal of NGSS-based, hands-on, high-quality science education for every student and provide small-group enrichment and intervention in literacy for every student. **Your elementary school's STEAM (Science, Technology, Engineering, Art, Math) teacher will focus on hands-on K-5 science during RTI time**, while your classroom or grade level teacher provides small-group support and enrichment.



STEAM Teacher

Sees students twice a week
Hands-on science lessons



Classroom Teacher

Incorporates science through reading, writing, listening, speaking



Students

Engaged science learners and critical thinkers who use the scientific method to approach problems

Board of Trustees Goal #3: Demonstrate a clear focus on implementing the new science standards and supporting STEM/RTI programs at all sites.

Supporting teachers

- Monthly STEAM teacher Professional Learning Communities meetings
- Part-time Science Coach to support content instruction for STEAM teachers
- Scope and Sequence that outlines the year-long plan for science instruction grades K-5
- Discovery Education Experience and STEM Connect online resources for all teachers
- Support from MVEF: \$20,000 for professional development, \$1500 per elementary school to spend on supplies for each STEAM classroom

STEAM TEACHERS

Professional Development >

Three full days (August 13, October 18, and February 12) of NGSS professional development and ongoing coaching from Discovery Education

Role >

STEAM teachers provide hands-on, inquiry-based science lessons during RTI time

CLASSROOM TEACHERS

Professional Development >

One full day (August 13) of NGSS professional development with a focus of integrating NGSS into literacy and up to 10 grade level/science teacher collaboration meetings facilitated by Science is Elementary to support integration

Role >

Classroom or grade level teachers provide small group support or enrichment during RTI time and integrate NGSS topics learned during STEAM time into literacy instruction

PRINCIPALS

Professional Development >

One half day (September 3) of NGSS professional development and ongoing coaching from Discovery Education

Role >

Facilitate and support the RTI STEAM program

PARENTS

Learn More >

<https://www.nextgenscience.org/parents>

Role >

Encourage students to observe, ask questions and experiment

