

Science Curriculum:

The purpose of this course is to provide sixth grade students a course of study focusing solely on Earth & Space Science standards for all middle school grades. Coursework is covered utilizing the district's philosophy for teaching middle school science. That is, science lessons are standards-aligned. They promote scientific literacy, collaboration, and problem solving. They are relevant to students, making connections to the "real world." Finally, lessons include hands-on, inquiry-based labs and activities.

Grade 6 Topics of Study:

Semester 1 –

- Lab Safety
- Nature of Science
- Big Idea 6: Earth Structures

Semester 2 –

- Big Idea 7: Earth Systems & Patterns
- Big Idea 5: Earth in Space & Time



For more information, please contact Liberty Middle School @ 813-558-1180.

Principal: James Ammirati

Assistant Principals: Angela Brown & Daniel Baugh

Guidance Counselors: Jennifer Emmons, Michelle Hethcox, & Susan Stabile

Grade 6 Science Teachers: Lauren Bracken, Linda Kniskern, & Charlene Perrone

6th Grade Science



Observe
Argue Claim
Data Question
Wonder Hypothesize
Discover Research Science
Think STEM
Design STEAM
Create Inquiry
Evidence
Analyze



Program Goals:

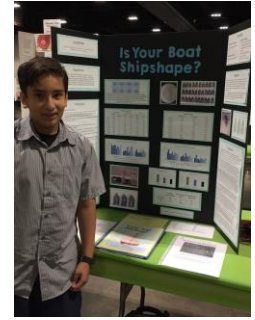
- Provide students with further content enrichment through hands-on labs and research opportunities
- Offer students opportunities to enhance creativity through open-ended student-driven activities
- Expand student knowledge through rigorous in-depth class discussions designed to promote critical thinking skills.
- Provide expanded use of technology to enrich and extend lab concepts to real-world applications
- Offer ongoing classroom discussions of scientific current events to promote global awareness and connectivity
- Provide exclusive field-trip opportunities and participation in intellectually rigorous activities such as STEM Fair, EPCOT, Nature's Classroom

Meeting the Needs of Our Students:

- Implementation of STEAM (providing content enrichment via cross-curricular integration)
- Utilization of the most current research based methods for teaching science: Argument Driven Inquiry, Literacy Design Collaborative, Design Challenge Process, Close Reading
- Differentiation via product choice, tiered assignments, research projects, independent study projects
- Extension of concepts through the utilization of technology via mobile devices in the classroom and various websites including Gizmos and Think Central



Past Florida State STEM Fair Participants:



Past Regional STEM Fair Participants:

