



Welcome to Jr High Science: Quarter 2, 2025

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Email me at any time if you have any questions or concerns.

PLEASE READ!!

Hello Jr High Parents and Guardians:)

Welcome to the 2nd quarter of Jr High science!

The 6th grade students started a Skyline Science-OpenSciEd pilot program with me. The first unit has the students answering the question to the phenomenon: How can something act like a mirror and a window at the same time?

Please ask your 6th grade student about what we have done so far!

The 7th grade students are working hard on an adaptation project, Build a Bird. They are using their creative artistic abilities and their science knowledge to build their own species of bird in a specific biome including its special adaptations, symbiotic relationship, competition, predation, and its male and female variations, and why they are different. Coming next...genetics!!

The 8th grade students are working on their science fair research papers and projects and a variety of experiments using the scientific method during classtime.

All units will require students to use either the engineering design process or experimental method.

****If you are an 8th grade parent please make sure that your email is updated in Aspen. I will be sending many informational emails regarding the science fair. The students are presently working on their 5 page research paper in writing. The due date for the research paper is Friday, November 7th. They have a specific rubric to follow.***

The NGSS standards that will be covered during the second quarter are....

6th, 7th & 8th: Scientific method and design process: NGSS: MS-ETS1: Engineering Design; Scientific Method: Science and Engineering Practices

The students will be using the scientific method and design process. . We will also be using all four Artistic Processes.

6th: NGSS Standard: MS-PS4-2 :Description: Develop and use a model to describe that waves are reflected, absorbed, and transmitted through different materials.

7th: MS-LS2-1. Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.

MS-LS2-2. Ecosystems: Interactions, Energy, and Dynamics. Science and Engineering Practices Constructing Explanations and Designing Solutions. Crosscutting concepts: Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems. CC: Cause and effect relationships. Practices: Patterns
Next...MS-LS3-2. Develop and use a model to describe why asexual reproduction results in offspring with identical genetic information and sexual reproduction results in offspring with genetic variation. [Clarification Statement: Emphasis is on using models such as Punnett squares, diagrams, and simulations to describe the cause and effect relationship of gene transmission from parent(s) to offspring and resulting genetic variation.]

****8th :Science Fair: December 11th! More info to follow soon!! We will need parent judges! Must apply to be a volunteer 2. Specifics coming soon! Also, start now to become a cps volunteer 1!! Great America Physics day in April is a parent/student trip!!***

Ngss:emphasizes a more flexible approach to inquiry, focusing on practices like asking questions, developing and using models, planning investigations, analyzing data, constructing arguments from evidence, and revising explanations based on new information