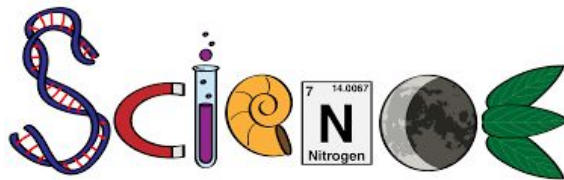


6th Grade Science Syllabus



6th Grade Science Teachers

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6th grade science will be exploring 3 units: **Exploring Planetary Systems (Objectives A and D)**, **Electricity, Waves, and Information Transfer (Objectives B and C)**, and **Biodiversity (Objective A, B, C and D)**, that provides inquiry based learning and supports our IB program at Crete-Monee Middle School. The following objectives and learning strands will be assessed throughout the school year to determine student growth:

Objective A: Knowing and Understanding

- outline scientific knowledge
- apply scientific knowledge and understanding to solve problems set in familiar situations and suggest solutions to problems set in unfamiliar situations
- interpret information to make scientifically supported judgements

Objective B: Inquiring and Designing

- outline an appropriate problem or research question to be tested by a scientific investigation
- outline a testable prediction using scientific reasoning
- outline how to manipulate the variables, and outline how data will be collected
- design scientific investigations.

Objective C: Processing and Evaluating

- present collected and transformed data
- interpret data and outline results using scientific reasoning
- discuss the validity of a prediction based on the outcome of the scientific investigation
- discuss the validity of the method
- describe improvements or extensions to the method.

Objective D: Reflecting on the Impact of Science

- summarize the ways in which science is applied and used to address a specific problem or issue
- describe and summarize the various implications of the use of science and its application in solving a specific problem or issue
- apply scientific language effectively
- document the work of others and sources of information used.

Classroom Behavioral Expectations

- Expected classroom behaviors are the same as the school's behavior code of conduct. If students fail to follow classroom behaviors and science safety rules, a warning will be issued. If the student does not correct his/her behavior, an alternate/independent assignment may be given. If the student is causing an unsafe environment, he/she will be removed immediately.
- Failure to follow proper lab safety will result in **IMMEDIATE** removal from the lab activity. **Safety is our number 1 priority!**
- Classroom clean up procedures **MUST** be followed each day.

DAILY Supplies

- Spiral notebook (8 ½ x 11 inches), pencil, pen, highlighters (4 different colors), 6 glue sticks, colored pencils, scissors

Grade Scale

Classwork/Homework 20%

Notebook 20%

Labs/Assessment 60%*

***overall grade is highly impacted by assessments, which include: labs, quizzes, tests, and CER (Claims, Evidence, and Response) writings.**