

Science Standards covered by, but not limited to, study
in the
Astronomy Club

Asking for approval to start a MESS Astronomy Club with Mr. Egan as a sponsor. Meetings to be held after school.

KINDERGARTEN Strand 1: Inquiry Process

Concept 1: Observations, Questions, and Hypotheses

Observe, ask questions, and make predictions.

PO 1. Observe common objects using multiple senses.

GRADE 1 Strand 1: Inquiry Process

Concept 1: Observations, Questions, and Hypotheses

Observe, ask questions, and make predictions.

PO 3. Predict results of an investigation based on life, physical, and Earth and space sciences (e.g., animal life cycles, physical properties, Earth materials).

Concept 2: Scientific Testing (Investigating and Modeling)

Participate in planning and conducting investigations, and recording data.

PO 2. Participate in guided investigations in life, physical, and Earth and space sciences.

GRADE 2 Strand 6: Earth and Space Science

Concept 2: Objects in the Sky

Identify objects in the sky.

GRADE 3 Strand 1: Inquiry Process

Concept 2: Scientific Testing (Investigating and Modeling)

Participate in planning and conducting investigations, and recording data.

PO 3. Conduct simple investigations (e.g., related to plant life cycles, changing the pitch of a sound, properties of rocks) in life, physical, and Earth and space sciences.

GRADE 4 Strand 5 Physical Science**Concept 1: Properties of Objects and Materials**

Classify objects and materials by their observable properties.

GRADE 5 Strand 6: Earth and Space Science**Concept 3: Earth in the Solar System**

Understand the relationships of the Earth and other objects in the solar system.

PO 1. Identify the known planets of the solar system.

PO 2. Describe the distinguishing characteristics of the known planets in the solar system.

PO 3. Describe various objects in the sky (e.g., asteroids, comets, stars, meteors/shooting stars).

PO 4. Describe the change in position and motion of the following objects in the sky over time:

- real motion – Moon, planets
- apparent motion (due to the motion of the Earth) – Sun, Moon, stars

GRADE 6 Strand 6: Earth and Space Science**Concept 3: Earth in the Solar System**

Understand the relationships of the Earth and other objects in the solar system.