

Transdisciplinary Theme
How the World Works

Sharing the Planet is an inquiry into the natural world and its laws.

In this IB unit we will be learning about how our earth functions in our solar system. We will start with a teacher led discussion to see what our third grade students already know about space. We will then expand their knowledge on such things as: What causes the seasons? What are the phases of the moon? How do the phases of the moon affect Earth? How do the seasons affect Earth? What are the planets in our solar system?

We will be using websites and nonfiction books to research topics. Nova and Bill Nye have produced videos that we will use to further explore our relationship to space.

To see what our students have learned, students will take a quiz in BrianPOP Jr., an online resource that we use on student iPads. Students will also create representations of the solar system, phases of the moon, and seasons of the earth. This will be a challenging and fun unit of inquiry.

We look forward to learning together!

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Central Idea

Earth functions as a part of the solar system.

Lines of Inquiry

- Planets in our solar system
- Phases of the moon
- Changes of the seasons

Transdisciplinary Skills

Research: Students will formulate questions and collect data. They will perform research on various space-related topics, and will record questions, wonderings, and findings. Through research they inquire about their topic and became knowledgeable. Students further build their knowledge by listening to each other's research topics and asking questions.

Self-Management: Students will need to organize their research. They will also need to utilize time management skills to complete their work.

Key Concepts

Related Concepts

Key Concepts: Form, Causation, Change

Related Concepts: Seasons, Space, Gravity

Learner Profile

Knowledgeable and Reflective

Attitudes

Enthusiasm and Confidence

