

How We the World Works

An inquiry into the natural world and its laws; the interaction between the natural world (physical and biological) and human societies



Dear Readers,

Our First-grade students will be continuing second semester with fifth unit of inquiry is: How the world works: An inquiry into the natural world and its laws; the interaction between the natural world (physical and biological) and human societies; how humans use their understanding of scientific principles; the impact of scientific and technological advances on society and on the environment.

Our students will explore how our world depends on different sources of energy to supply electricity, fuel, and heat needed to live day to day. The ratio of which we use these energy sources is important to think about, as each source comes with environmental and sustainability issues. In this inquiry students will work with identifying different sources of energy by thinking in patterns, then by working with specific energy sources, and then with all the sources together. Once a list of possible sources is compiled and explained, ethical and social issues will be discussed.

This is a glimpse into what we will be doing for the next 3 weeks. The learning experiences are driven by the students. We are excited to guide our students through this process and we cannot wait to see what they will explore.



Central idea

Solar energy sustain life by providing light and heat.



Key concepts

Form - Causation -
Function
Attitudes

Empathy,
Commitment,
Confidence.



Thinking – research skills

Students were able to enhance some attitudes, values and attributes during this unit of inquiry.

Students had a chance to explore and investigate information about space .

Students were able observe and describe patterns that can be predicted, such as the apparent motion of the sun and moon across the sky, the changing of shadows day and night, and the seasons. As children identify each pattern, they predict what will happen next such as how spring follows winter and how the amount of daylight will change.

Inquire and learn about stars, gravity, tools helped students to observe objects, and the sun. This helped students to understand why the sun is important to Earth.

Students were provided with resources (pictures) of various forms of energy which cause change and they learn and observe how we use energy every day.

Students had an opportunity to explain and present what they learned using crafts. They made a suncatcher to observe sunlight as it passes through tissue papers and they share it in Nearpod and ClassDojo.

Students shared the importance of sun as a main source of light and in the universe.

