Dear Students: Use these activities to add focus and fun as you explore the Rory Meyers Children's Adventure Garden.

The sun is the star of the show. Revolving around the sun are eight planets. Earth is unique because it is the only one in our solar system that supports life.

How long does it take the Earth to rotate on its axis?

_____

How long does it take the Earth to revolve around the sun?

_____

Which one causes the cycle of day and night?

Rotation or Revolution

We use energy every day, everything from watching tv, cooking, and your transportation to school. Typically these energy sources are non-renewable. Renewable energy is made from resources that nature will replace, like wind, water and sunshine.

Explore the transformation of renewable resources into energy. Find examples of kinetic energy being converted to mechanical energy:

Water:_____

Solar:._____

Wind:._____

- Ancient Emojis: Today we use emojis to communicate. What did people do in earlier times that was similar?
- Numbers in Nature: What mathematician found a number sequence that naturally occurs in nature?
- Bee Careful: We communicate by talking to our friends. How do honey bees communicate?
- Purely Awesome: Name one wetland plant that acts as a natural filter for pollutants.

Just like you have a first and last name, so do plants. As you walk through the garden find a labeled plant that has a flower.

Common Name:

_____

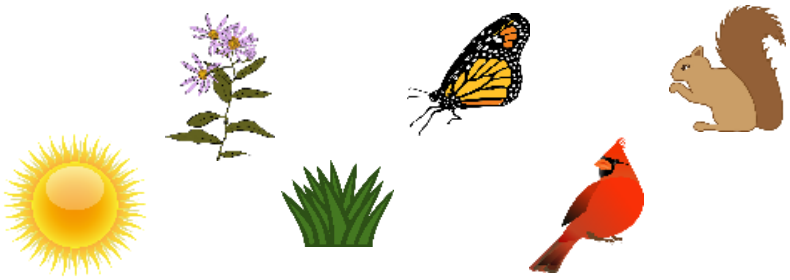
Scientific Name:

_____

Draw and label the flower: Stamen, Pistil, Petal, Sepal, Receptacle

Ecosystems are composed of living and nonliving things. Energy is transferred through living things in an ecosystem. By observing the garden, can you connect this food web? Draw arrows to show energy flow.

Circle the producers.



Create a unique habitat in the box. Think about these abiotic factors:

Temperature
Wind
Rain
Altitude
Sunlight
Soil

Follow the Flow

Water is in continuous motion. Sometimes we see it move and other times it appears to be invisible. Can you follow the flow of water in our garden? How is it moving? Describe why we can't always see water. Where does it go?