

April 18-25, 2022

This Week in STEM

Kindergarten

We are learning about living and nonliving things. This week, we are reading a story about living and nonliving things in the ocean, then we will make a bubble map to describe each.

Home School Connection: Look around your house or neighborhood with your student and see what they can classify as living or nonliving in the desert.

1st Grade Students:

We are finishing up learning about animal homes this week. Students are finishing up their trioramas about their animal and the home its habitat.

Home School Connection: Go for a walk in your neighborhood or for a hike and look for different animals and how they live.

2nd Grade Students:

We began learning about coding using physical activity to code a dance and learn the correct vocabulary for sequencing, repeat, and code. This week, students will learn about binary coding and create a bracelet using binary code and the initials of their name.

Home School Connection: Ask your student to code a dance for you to complete at home, following a specific code.

3rd Grade Students:

We are playing our seeds this week and placing them into our greenhouses for safe growing for the next two weeks. Once their ready to take home, students will be able to transplant their green bean plants into their own garden or flower pot.

Home School Connection: Students will bring home their plants ready to transplant into a pot in a few weeks!



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4th - 6th Grade Students:

All 4th - 6th grade students will be entering a culminating unit of study this final quarter of the 2021 - 2022 school year. It will take us the rest of the quarter to complete this final unit of study.

- **4th Grade** will build and design their own board game and all components. We will spend the final two class periods playing each game created. They will follow the Engineering Design Process to build and design their games.
- **5th Grade** will build a mini-golf course. Students will work in teams of 3-4 to create their own hole on the putt-putt course that will be played by all members of their class at the end of the year. Students will be able to bring in any needed materials from home to support their design and build. They're using Newton's Laws of Motion to complete this project.
- **6th Grade** will design and create their own Olympic Game, set of rules, Country Flag, Medals, and any equipment needed to play their game. We will end the year playing the STEM Olympic Games, with medals to be awarded per class. They're using Newton's Laws of Motion to complete this project.

3rd Grade Gifted:

Students are finishing their own animal creation which they started before break out of playdough and craft materials. Once finished, they will create a diorama for their animal's habitat.

5th Grade Gifted:

We are coming to the end of our study on global warming. Students have finished their summaries and are now completing their analysis of what can be done to support global warming based on what they've learned thus far. They will begin their poster this week and will finish during our next class period. Poster presentations will be our last focus of the unit.



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4th - 6th Grade Students:

Parents,

Your students may choose to bring materials from home to support their projects in STEM this quarter. Though we have many materials available in the STEM Lab, we do not always have the exact materials your student wants to use for their project. Please support your student and help them to find the materials they want to use. If you choose to purchase materials, the Dollar Store is a great place to look for materials.

We have the following supplies in class:

- Glue
- Hot glue
- Scotch tape
- Masking tape
- Fasteners
- Cardboard
- Popsicle Sticks
- Pipe Cleaners
- Cups
- Straws
- Paper
- Scissors
- Cardboard Tubes (toilet paper and paper towel rolls)

They may wish to bring any or all of the following:

- Paint
- Duct tape
- Felt paper
- Foam paper
- Clay
- Glitter/Glitter Glue
- Playdough
- Specific materials for their theme

