



# STEAM Camp

2nd-3rd Grade, Week of: June 24th, 2024

## What We Did on...Monday: SCIENCE

Today we focused on the "Science" aspect of STEAM! We learned about various fields within science including biology, chemistry, food science, and marine biology!

### Sun Core Activity

- We learned about the different layers of the sun and made a 3D model.

### Earth's Layers

- Continuing on with our exploration in space we focused on the layers of our solar system's most important planet - the Earth!

### Lava Lamps

- To visualize the unique way in which oil and water interact we made lava lamps!

### Ice Cream

- A fun (and tasty!) way to explore the freezing point of ingredients and the unique properties of salt!

### Ocean Zones

- We dove into the properties of water and explored the various underwater layers of our ocean.



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## What We Did on...Tuesday: TECHNOLOGY

Focusing on "technology" for the day we explored what makes up a circuit, the importance of solar energy, and how to make your own battery!

### Coin Battery

- Using nickels, pennies, a conduit, and a vinegar solution we discovered what makes up a battery and how you can create your own.

### T-shirts

- Using Corel we came up with our own T-shirt designs!

### JunkBots

- Using batteries and motors we created our own little bots that move!

### Wimshurst Machine

- Learn about static electricity used in the 1800s

### Coding

- We learned about different coding languages and even learned how to write lines of code ourselves!



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## What We Did on...Wednesday: ENGINEERING

We used the concepts of pressure and motion to build various contraptions all to help us understand how versatile engineers are.

### Water Bottle Rocket

- To understand Newton's third law of motion, we used water and air pressure to launch rockets high into the sky! This activity helped us understand some of Newton's laws of motion

### LEGO Zipline

- Gravity, friction, and engineering design were all used to help launch LEGO contraptions from one end of the zipline safely to the other!

### Water Fountain

- Building our own water fountain helped us visualize how air pressure can be used to facilitate the movement of water.

### Paper Circuits

- Using copper tape and coin batteries we explored how circuits work. We used this to learn about the branch of electrical engineering.

### Ozobots

- Ozobots are small robots that can follow lines you draw with markers. They change colors and perform tricks based on the lines and codes you create for them. We use them to learn the power of directions, precision and cohesion.



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## What We Did on...Thursday: ART

We let our creativity shine through today as we explored the world of art! The room was filled with different crafts and colors!

### Bioluminescent Art

- Using fun neon paints we discovered how vibrant art can be in the dark, and tied it to how animals use bioluminescence out in the wild!

### Painted Pots

- Tapping into our "green thumbs" for the day we colored and decorated pots!

### Vision- board Making

- In order to help "visualize" our future successes we created our own vision boards! And learnt about smart goals!

### Shaving Cream Art

- Mixing food coloring with shaving cream resulted in an interesting way to make new forms of art.

### Zentangle

- Pattern making was all the rage with this art form! Using repeated patterns we made cool and unique designs.

### Pet Rocks

- In order to keep us company, we made cute little pet rocks for ourselves!



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## What We Did on...Friday:

To finish off the week we focused on different mathematical concepts and skills such as symmetry, probability, and order of operations!

### Math Baking

- Using the order of operations we solved math equations in order to reveal the baking recipe that we needed.

### Sudoku

- We introduced our campers to the fun challenge of sudoku.

### Math Bingo

- It was a race to see who could achieve bingo first by solving math equations and using the answers.

### Relay Races

- Teamwork and math skills were utilized in this activity to see who would win this year's "Math basketball league 5000".

### Skittles Statistics

- We used stats skills to uncover if there was a preferred skittles color in skittles packets!

### Math Cup Stacking

- We learned who could create the highest cup tower the fastest by solving mathematical expressions.