

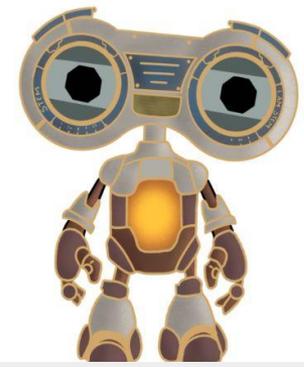


# JINGLE JANGLE

in June & July

“The Square Root of Possible”

## VIRTUAL SUMMER CAMP 2021



Monday, July 5th, 2021

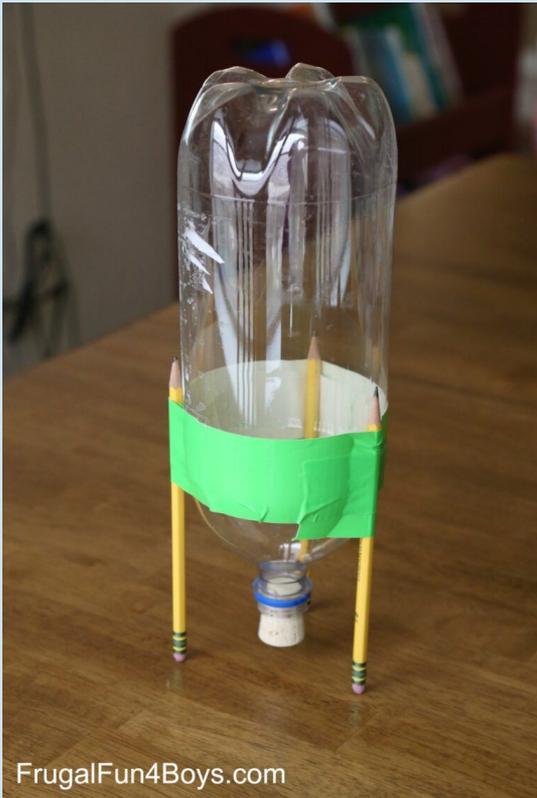
### Rockets Day 1

#### Materials:

- 1-2 liter soda bottle
- 3 Pencils
- Duct Tape
- Cork
- Paper Towels
- Markers
- Paper

#### Instructions:

1. Decorate your rocket using markers (make sure to not make your rocket too heavy).
2. Add three pencils around the bottle and tape down using duct tape
3. Place cork within the opening of the bottle and save for tomorrow





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Tuesday, July 6th, 2021



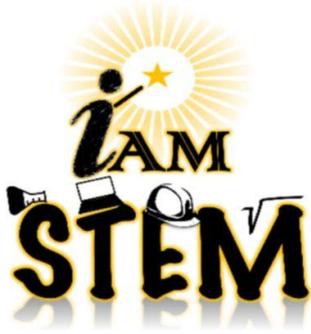
## Rockets Day 2

### Materials:

- Assembled Rocket
- 1 Cup-Baking Soda
- 2 Cups-Vinegar
- Paper towel

### Instructions:

1. **Make sure to complete this portion with a parent outdoors**
2. Grab a small square of paper towel
3. Dump 1/2 cup of the baking soda into the paper towel
4. Fold paper towel around the baking soda which will create a packet
5. Pour vinegar into the bottle (about 2 inches)
6. Gently push in the baking soda packet
7. Push the cork in
8. Turn the bottle over
9. Wait for take off



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Wednesday, July 7th, 2021

### Ballon Solar System

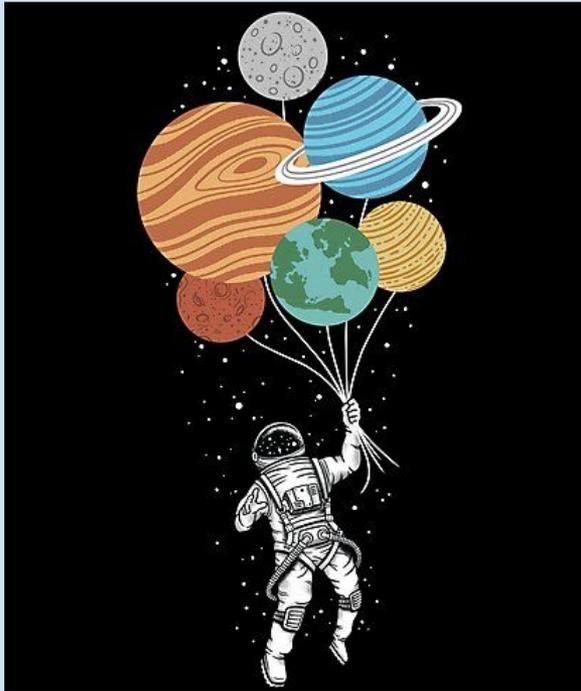
#### Materials:

- Balloon
- Black Ballpoint Pen
- Markers
- Rubber band

#### Instructions:

1. Inflate balloon and tie with a rubber band, scholars will need to remove the rubber band at the end of this activity so please do not tie a knot in the balloon!
2. Using a ballpoint pen, draw the solar system on your balloon, you can draw the sun on top and then the planets in order as you move away from the sun.
3. Deflate the balloon and observe how your drawing shrinks!
4. Inflate the balloon and hold the end closed, predict where you think your solar system balloon will land and let it go!

Did you know? Much like the drawings on your balloon when you inflate it, the universe is expanding.





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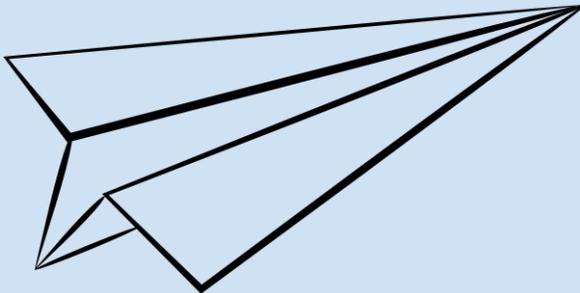


Thursday, July 8th, 2021

## Paper Airplane Engineerings

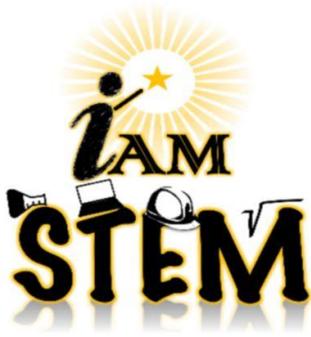
### Materials:

- ☐ 3 Sheets of copy paper



### Instructions: Use one sheet of paper per design:

1. [The Classic Dart Paper Airplane](#)
2. [The Glider Paper Airplane](#)
3. [The Bullet Paper Airplane](#)
4. Predict! Which airplane do you think will fly the farthest? Why?
5. Launch your paper airplanes and observe which one glides the farthest and discuss.



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Friday, July 9th, 2021



## Paper Pinwheel

### Materials:

- Paper or cardstock
- Scissors
- Glue stick
- Crayons or markers
- Pencil with eraser
- Push pin

### Instructions:

1. Start out by cutting two identical squares from paper or cardstock.
2. Decorate the squares and cut them out.
3. Glue the undecorated sides of the squares together. Remember to apply glue not just along the edges, but on the entire back area of the squares. Let the glue dry.
4. Cut four diagonal lines starting from the corners going up halfway to the center of the square.
5. After making the four slits, you will have 8 tips on your square—these are labeled with numbers on the photo.
6. Bring tips number 1,3,5, and 7 to the center and glue or hold with your hand.
7. Insert a push pin at the center. Attach the pinwheel to a pencil by pushing the pin into the pencil's eraser. Don't push on too tight to allow the pinwheel to spin more freely.