

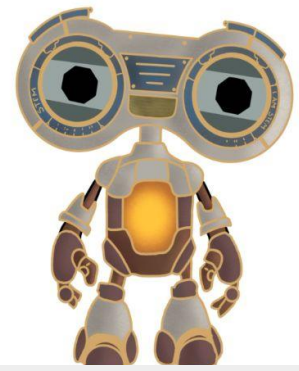


JINGLE JANGLE

in June & July

"The Square Root of Possible"

VIRTUAL SUMMER CAMP 2021



Monday, July 5th, 2021

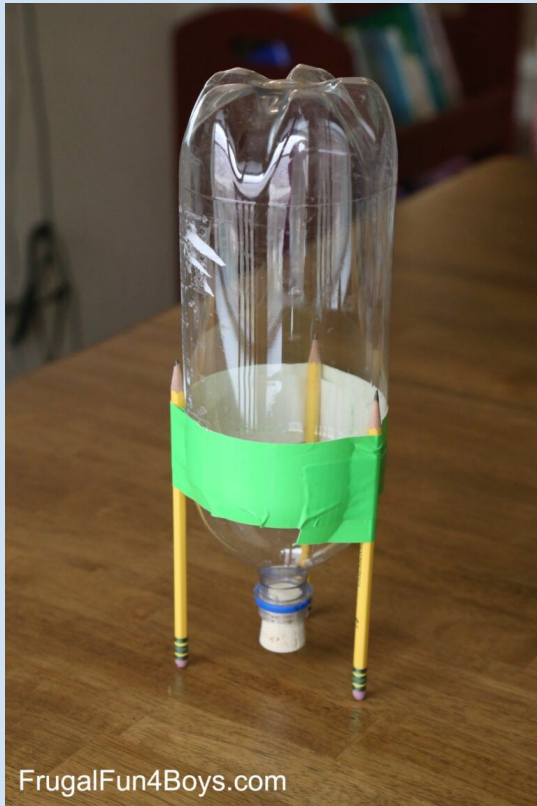
Rockets Day 1

Materials:

- | | |
|--|----------------------------------|
| <input type="checkbox"/> 1-2 liter soda bottle | <input type="checkbox"/> Markers |
| <input type="checkbox"/> 3 Pencils | <input type="checkbox"/> Paper |
| <input type="checkbox"/> Duct Tape | |
| <input type="checkbox"/> Cork | |
| <input type="checkbox"/> Paper Towels | |

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



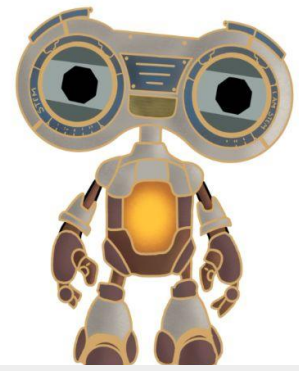


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Tuesday, July 6th, 2021



Rockets Day 2

Materials:

- ☐ Assembled Rocket
- ☐ 1 Cups-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

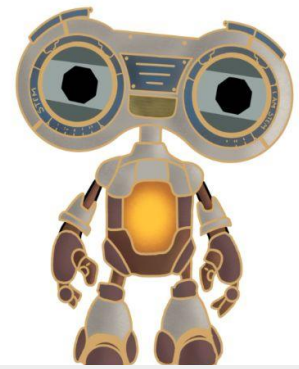


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Wednesday, July 7th, 2021
All Materials Found in
CYOEST STEM Kit

Solar Car

Materials:

- ☐ Small yellow base
- ☐ 4 bearing brackets
- ☐ Shaft and Gear
- ☐ 4 wheels
- ☐ Drive Gear
- ☐ Motor
- ☐ Solar panel

Instructions:

1. Install the bearing brackets
2. Assemble shaft and gear
3. Install wheels. Make sure the wheels run smoothly. If not improve it patiently
4. Install drive gear
5. Install solar panel

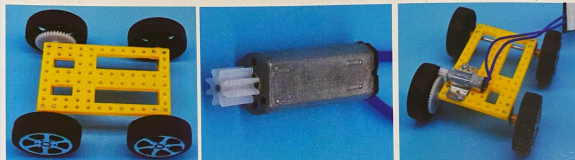
INSTRUCTION



Step1:Install the bearing brackets.

Step2:Assemble shaft and gear.

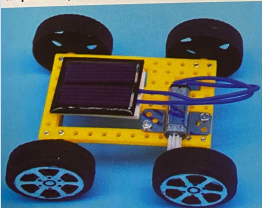
Step3:Install the shaft.Notice the hole the shaft goes through



Step4:Install wheels.Make sure the wheels run smoothly.If not improve it patiently

Step5:Install drive gear

Step6:Install the motor.This is an important step.Test the gear engagement by turning the wheel If not well improve it patiently



Step6:Install the solarpanel. Compete!

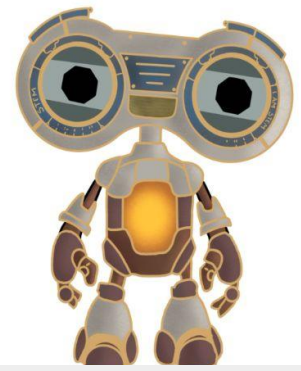


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VIRTUAL SUMMER CAMP 2021



Thursday, July 8th, 2021
All Materials Found in
CYOEST STEM Kit

Electric Glider Plane

Materials:

- ☐ 2 Propellers
- ☐ Motor
- ☐ Batter Box
- ☐ Aircraft fuselage
- ☐ 2 Support brackets
- ☐ 4 wheels
- ☐ Aircraft Tail
- ☐ 2 screws

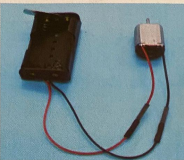
Instructions:

1. The two propellers are opposite. Notice the difference.
2. Connect the motor and the battery box
3. Assemble the aircraft fuselage
4. Install the support
5. Install the wheels
6. Fix the tail with screws
7. Install the motor and the battery box
8. Install the propeller. One moves the plane forward, the other backward.

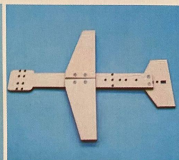
PLANE



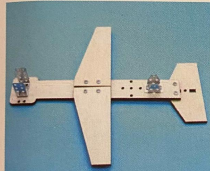
Step1:The two propeller are opposite
Notice the difference.



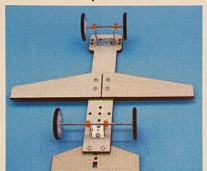
Step2:Connect the motor and
the battery box.



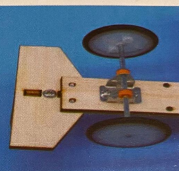
Step3:Assembled aircraft
fuselage.



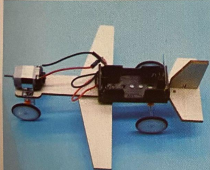
Step4:Install the support.



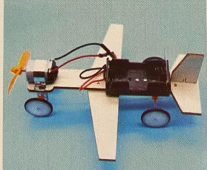
Step5:Install the wheels.



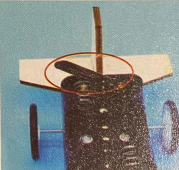
Step6:Fix the tail with screws.



Step7:Install the motor and the
battery box.



Step8:Install the propeller.One
make the plane forward,the other
retreat.



Step8:The "red circle"can be
used as a switch.



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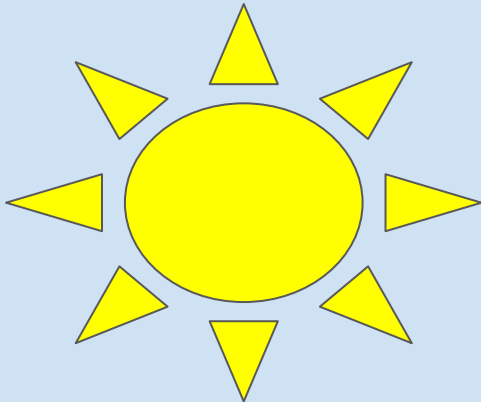
Virtual Summer Camp 2021



Friday, July 9th, 2021

Sunshine Shenanigans

**STUDENTS MAY SELECT
ANY CONTRAPTION
FROM THE CYOEST
STEM Kit**



Materials:

- ☐ YOU CHOOSE

Instructions:

1. FOLLOWING DIRECTIONS WITHIN THE KIT