

The background of the image is a vibrant green surface covered with numerous water droplets of various sizes. The droplets are bright and reflective, creating a textured, bubbly effect. The overall color palette is shades of green, from light lime to deep forest green.

SCIENCE FAIR



Background

Plants in a garden in Iowa that require things to grow better and live longer. It's important to understand and measure the amount of sugar in a plant to a certain level when the plant is old and ready to eat. The goal is to measure the sugar content in order to understand what should be added to that plant to make the difference in a measure of dissolved sugar.

Question

What are some sugar content in a plant when it is old and when plants in the sun or a shade harvested after growth?

Hypothesis

I think the amount harvested after it is old grows and when sugar content.

Materials



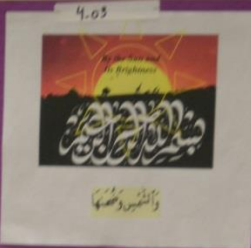
Can Sun Be Used to Produce Clean Energy?

Introduction:

A non-renewable resource is a resource that does not renew itself.

Examples of carbon-based fuels are coal, petroleum (crude oil), and natural gas. These fuels are used by:

- Power Plants
- Cars
- Airplanes
- Ships



Two of most popular clean sources of energy are:

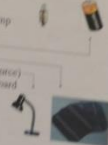
Solar & Wind



Hypothesis: Sun can be a clean renewable source

Material:

- Small flash light lamp
- Electrical wire
- Small battery
- Solar cells
- Study light (light source)
- Plastic or wooden board



A solar cell is a device that directly converts light energy into electrical energy by the photoelectric effect.

Photo means light and voltaic means electrical current or electricity (light electricity). A solar cell provides direct current (DC) electricity that can be used to power DC motors and light bulbs among other things.

Procedure:

1. Connect three solar cells to make an array.
2. Attach solar cells to the board.
3. Used electrical wires to connect the solar cells and produce a close circuit.
4. Use study lamp to simulate sun light to the solar cells.
5. Change light intensity to see different brightness.
6. When small flash-light lamp turns on, being produced.
7. Test the lamp using battery to show the lamp on from other sources of energy.





The Water Cycle

Evaporation
Condensation

Water Cycle By 2nd Grade

Fresh water is reduced from water cycle every day!!!

2nd Grade Are We Ready?



The Water Cycle

Evaporation



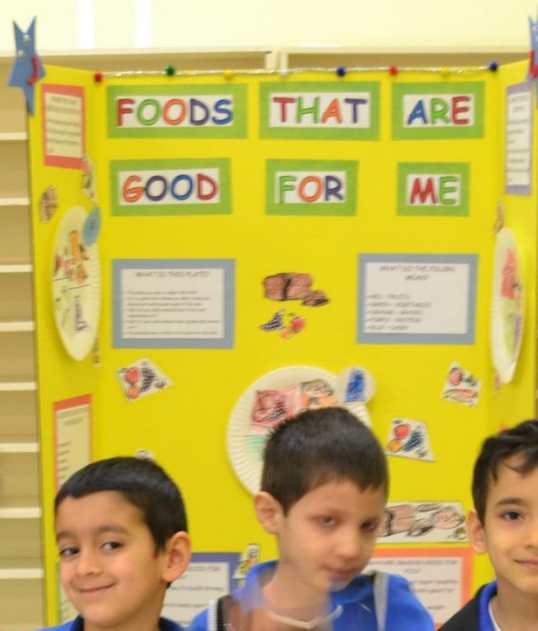
Condensation



Water Cycle By Grade
water is not from cycle
SHE IT IS

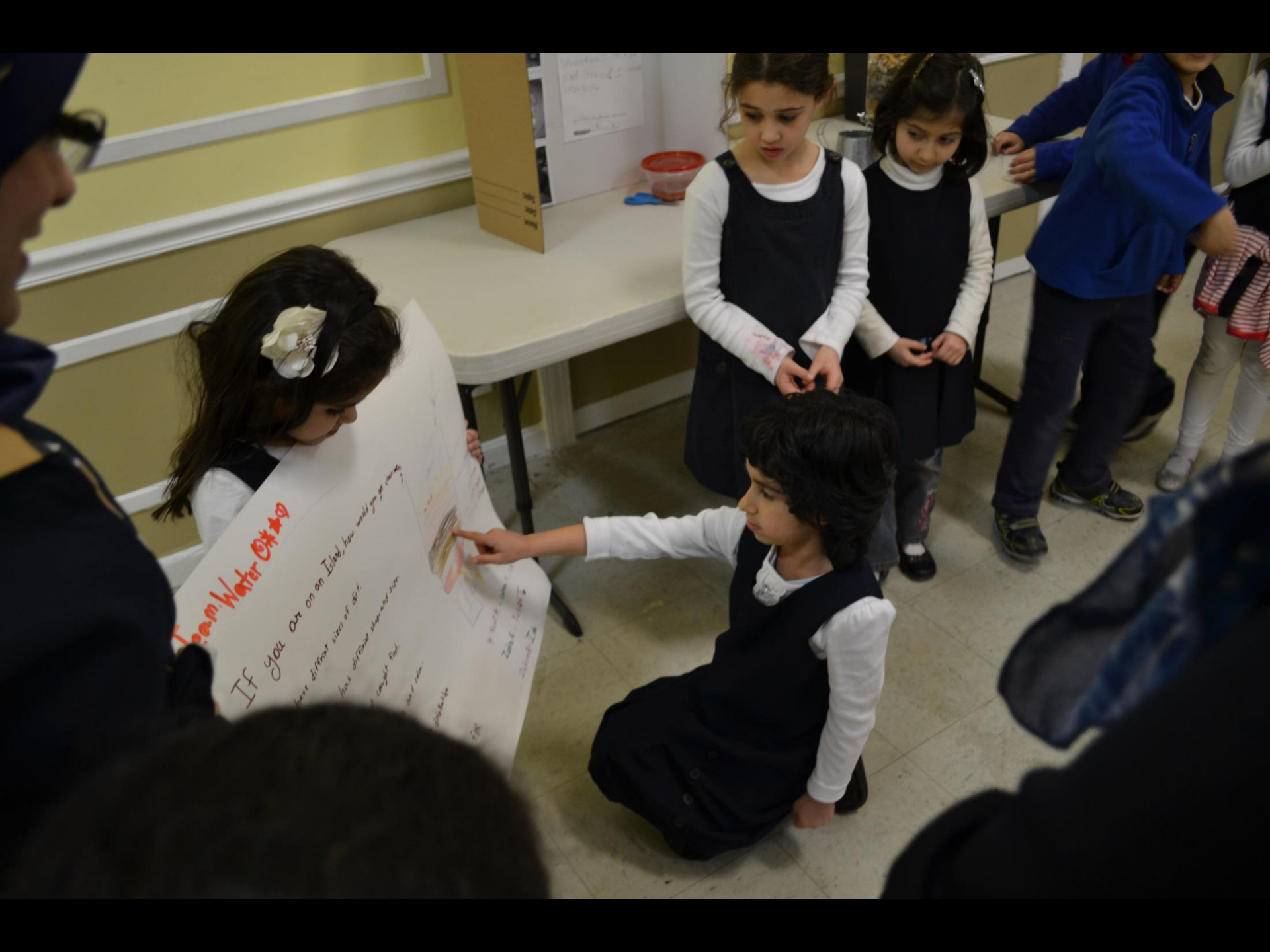


Grade
We Rec









Team Water City

If you are on an Island, how would you manage
have different sizes of dirt.

has different shaped size
change? Red
and some
darker

7/26



7/26





PROBLEM

How does additional weight on a helicopter affect its rates of ascent and descent?

HYPOTHESIS

Due to extra weight on the helicopter, taking off and ascending will be harder and rates of ascent will be slower. Rates of descent will be faster.

MATERIALS

1. RC Helicopter
2. Digital Tachometer
3. Tape Measure
4. Adhesive Tape
5. Stop Watch
6. Small Weights

PURPOSE

The first purpose of this experiment was to determine the relationship of rotor speed and rate of ascent. The second purpose of this experiment was to determine the effect of additional weight on the descent rate of the rotor. The third purpose of this experiment was to determine how rotor speed affects the relationship of rate of ascent and descent.

I expected to see that as the rotor speed increased, the rate of ascent would also increase. I also expected to see that as the rotor speed increased, the rate of descent would also increase. I also expected to see that as the rotor speed increased, the rate of descent would also increase. I also expected to see that as the rotor speed increased, the rate of descent would also increase.

HYPOTHESIS

My first hypothesis was that the rotor speed would affect the rate of ascent. My second hypothesis was that the rotor speed would affect the rate of descent. My third hypothesis was that the rotor speed would affect the rate of descent.

I based my first hypothesis on the fact that as the rotor speed increased, the rate of ascent would also increase. I based my second hypothesis on the fact that as the rotor speed increased, the rate of descent would also increase. I based my third hypothesis on the fact that as the rotor speed increased, the rate of descent would also increase.

I based my second hypothesis on the fact that as the rotor speed increased, the rate of descent would also increase. I based my third hypothesis on the fact that as the rotor speed increased, the rate of descent would also increase.

PROCEDURE

1. The first step of the procedure was to determine the relationship of rotor speed and rate of ascent.
2. The second step of the procedure was to determine the effect of additional weight on the descent rate of the rotor.
3. The third step of the procedure was to determine how rotor speed affects the relationship of rate of ascent and descent.

HELLO
I'm
Tina
J...













