

STEM-OVATOR

What does going to the doctor, playing a video game, driving across a bridge, following a map to get to a new store, googling a question and getting your teeth cleaned all have in common? All of these things are made possible by men and women who are Science, Technology, Engineering and Math (STEM) professionals.

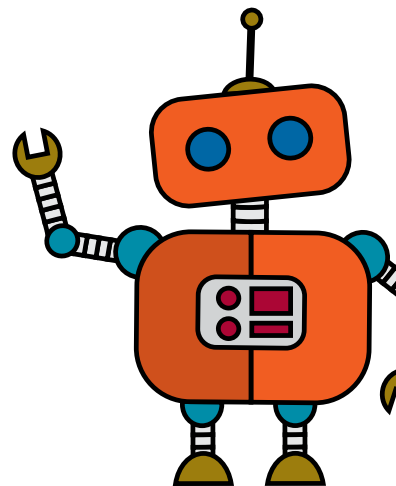
STEM is everywhere you look! Each year, more STEM jobs are created than in any other fields. That is why it is important for Jr. Innovators to learn all they can about STEM subjects. Learning about science, technology, engineering and math will help you better understand the world around you as well as give you many career choices when you grow up.

Activity:

Below you will find a few STEM activities using materials you may have at home. Select one of the experiments below, get creative with the experiments that are listed, or find a STEM experiment of your own—and start learning!

Directions:

1. Follow the instructions for this activity.
2. Take a photo or video of your experiment—post using your parent/guardian's social media account.
Methods for posting:
 - ▶ Go to the Leidos Twitter or Facebook page. Find this week's activity post and reply to the post.
 - ▶ Post a photo to your personal social media accounts.
Be sure to tag @LeidosInc (@Leidos on LinkedIn) and #LeidosJrInnovator.
Your post must be public for us to see it.
3. In the caption please include your first name and school grade or year. Also explain why you selected the experiment and what you learned. If you choose to do an experiment not included on page 2, please be sure to describe the experiment thoroughly.
4. Enter to win no later than Sunday, May 10th, at Midnight (EST).
5. *Stay tuned to see who wins.*

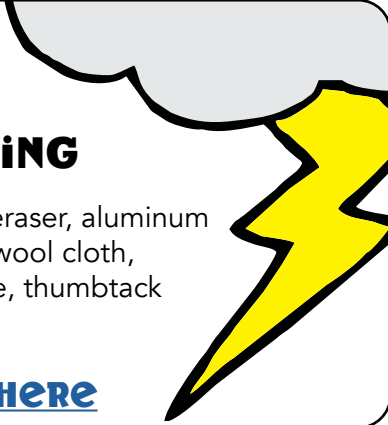


$$\Delta v = v_e \ln \left(\frac{m_i}{m_f} \right)$$

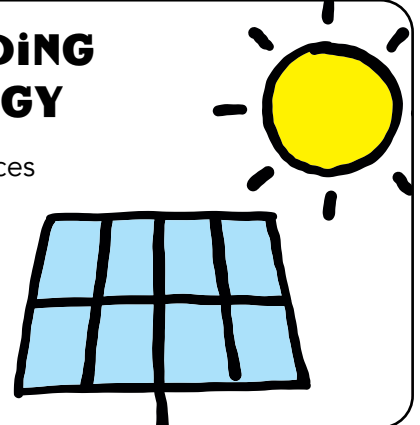
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**HOW TO
MAKE
LIGHTENING**

Pencil with an eraser, aluminum tray or pie tin, wool cloth, Styrofoam plate, thumbtack

[CLICK HERE](#)**UNDERSTANDING
SOLAR ENERGY**

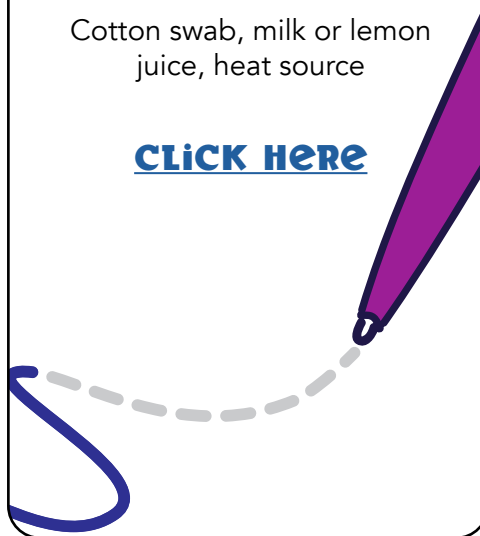
Six colored square pieces of paper (one must be black and one white), six ice cubes of the same shape and size

[CLICK HERE](#)**HOW SOAP
WORKS**

Plate, water, dish soap, pepper

[CLICK HERE](#)**WRITING
A SECRET
MESSAGE**

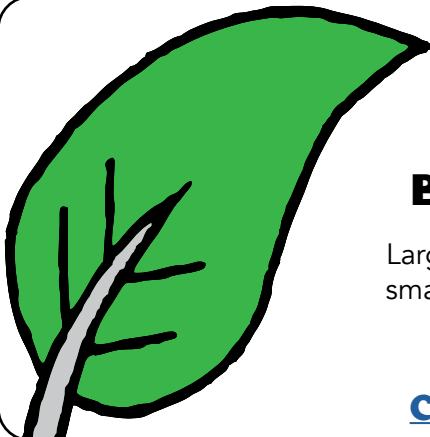
Cotton swab, milk or lemon juice, heat source

[CLICK HERE](#)**HOW DO
STALACTITES
FORM?**

Baking soda, safety pin, two glass jars, wool yarn, water

[CLICK HERE](#)**HOW DO
LEAVES
BREATHE?**

Large leaf, large bowl, small rock, magnifying glass (optional)

[CLICK HERE](#)**WILL THE
GUMMY BEAR
GROW?**

Two small bowls, water, salt and gummy bears

[CLICK HERE](#)