

EARTH SCIENCES



VOLCANO

Find out how to make a volcano model that erupts at home or in the classroom!



FOAM RAIN CLOUD

Explore weather science with this quick and easy cloud activity.

WATER CYCLE

Learn about the water cycle with this easy water cycle in a bag experiment.



MOON PHASES

Yum! Let's enjoy a bit of edible astronomy with this Oreo moon phases activity.



SHAKY SCIENCE

This fun and simple earthquake experiment is a great geology activity for multiple ages.



BEACH EROSION

Break out the sensory play as you add this beach erosion demonstration and activity to your OCEAN theme lesson plans.

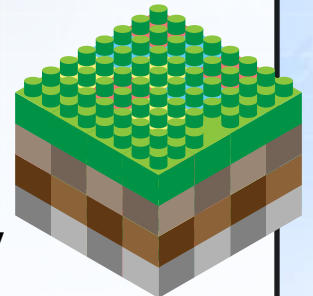
LAYERS OF THE ATMOSPHERE

Get ready to learn about the Earth's atmosphere with these fun printable worksheets and games.



LEGO SOIL LAYERS

Learn about the layers of soil with a fun hands-on LEGO activity. Our soil layers activity is a fun way to include a little earth science into LEGO play.





Scientific Process



Ask a Question

What do you want to learn or test?



Do Some Research

Gather information about what you want to learn.



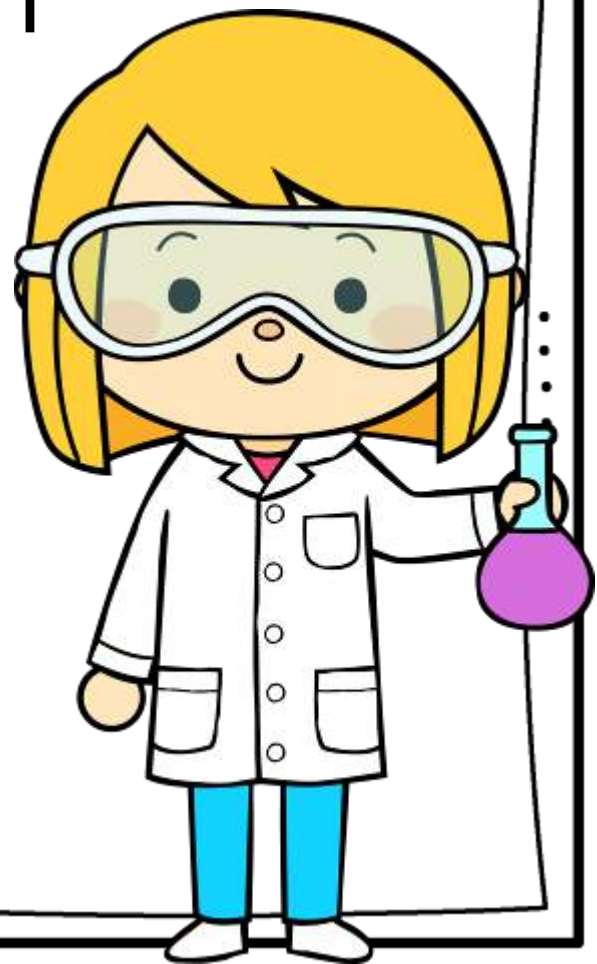
Make a Hypothesis

Try to predict the answer!
A hypothesis sounds like an
If I do this, then this will happen.
This being your experiment
and outcome.



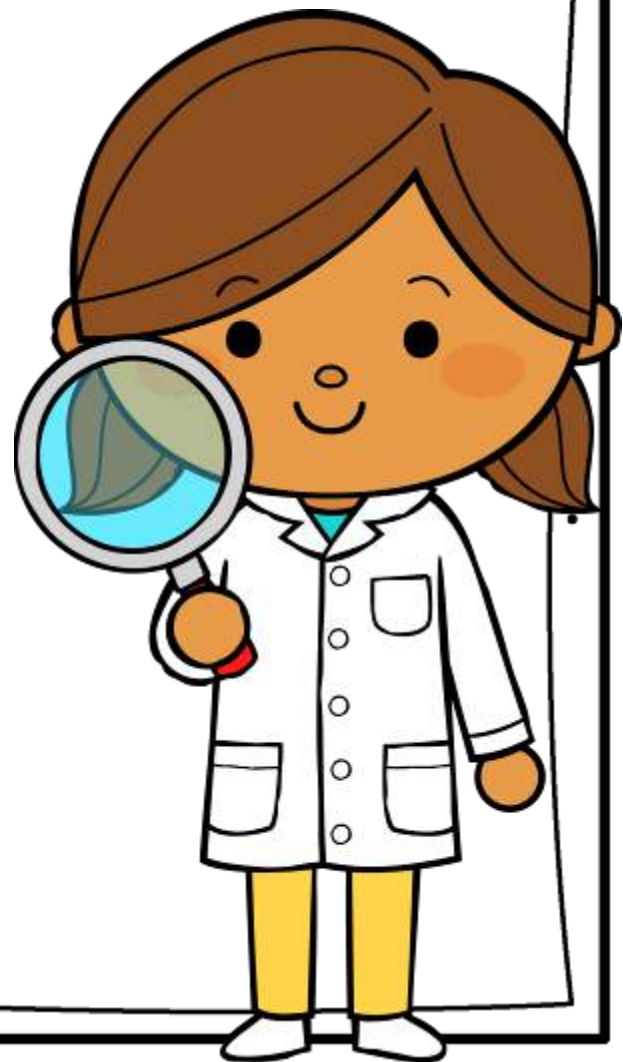
Set Up An Experiment

Design a test or experiment to see if your hypothesis is correct!



Record Data

Record what happens during the test or experiment.



Conclusions

Analyze or review your data to see if your hypothesis was correct!



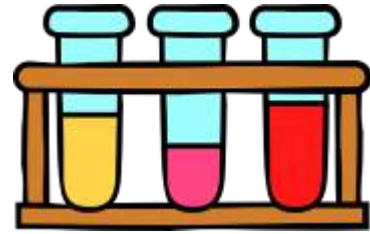
SCIENTIFIC METHOD



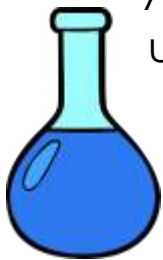
A method or procedure that uses an organized approach to solving a problem or answering a question through the use of a hypothesis, experimentation, observation, and data analysis.

HYPOTHESIS

An educated guess or simple explanation made as a starting point for further investigation or experimentation.



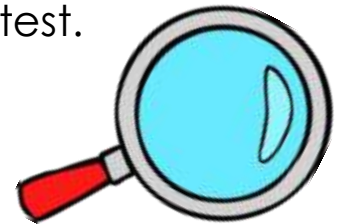
EXPERIMENT



A scientific procedure set up to test a hypothesis or make a discovery. It usually involves a dependent variable, independent variable, and a control. The outcome is not necessarily known.

INDEPENDENT VARIABLE

The independent variable is the part of your experiment that you want to test.



DEPENDENT VARIABLE

The dependent variable is the outcome that occurs in your experiment and a response to the changing independent variable.



CONTROL

The control is the neither the independent nor the



dependent variable. The control is what you will compare the results in your experiment.



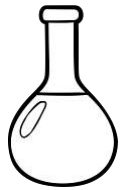
My Science Investigation



My Question

My Hypothesis

Research Notes



Supplies



Experiment

Observations

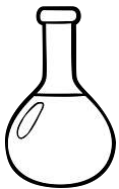
draw or write

Conclusions



My Science Investigation

My Question

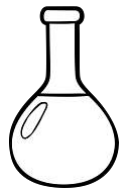


Hypothesis

What is the Control?

Supplies Needed

**What is the
Dependent Variable?**



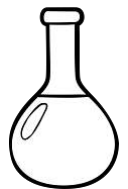
Experiment



**What is the
Independent Variable?**

Observations

Conclusions

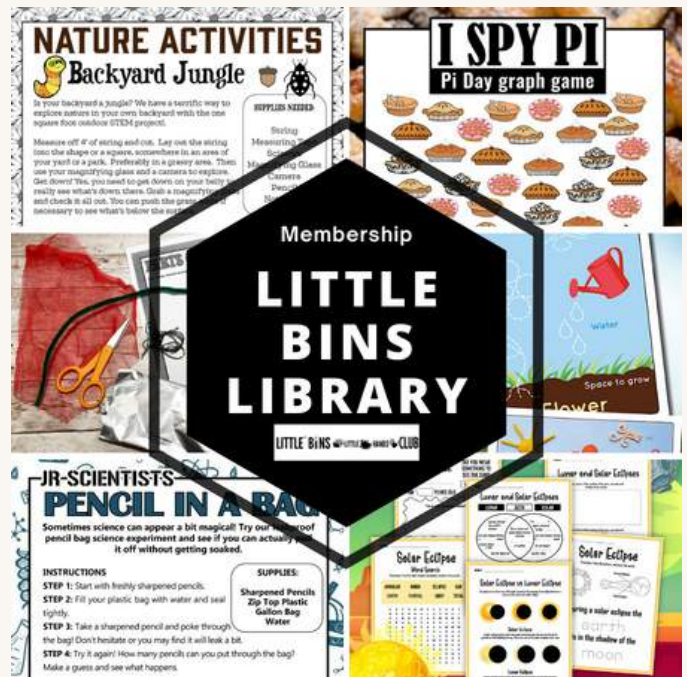


Graphics provided by LittleRedsTreehouse.com

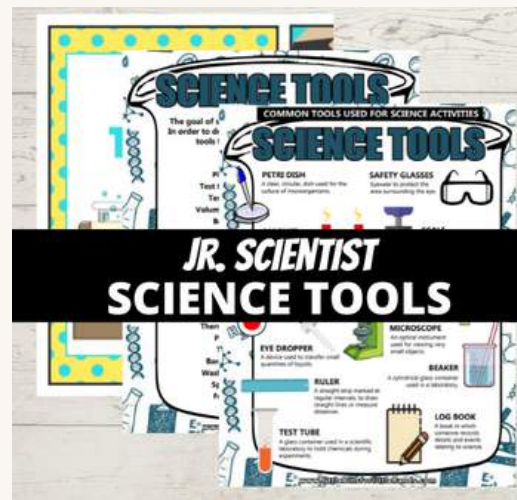
LITTLE BINS FOR LITTLE HANDS

Are you ready to . . .

- ✓ Find manageable science, engineering, and art projects that kids love doing and are budget-friendly.
- ✓ Stop entering your email address over and over for each activity.
- ✓ Spend less time prepping with our easy instructions, templates and supply lists.
- ✓ Spend more time engaging with your students, groups or kiddos.



[CLICK HERE TO JOIN](#)



Meet the Little Bins for Little Hands Duo!



Hi! My name is Sarah, and this is my son Liam. He's actually 13 now. We still LOVE playing around with science and STEM at home.

I shared a simple baking soda and vinegar science activity ten years ago with him. Since then, we've been hooked! Together we have enjoyed 100s of science experiments that are low cost, easy to set up, and just plain FUN!

I always aim to provide the BEST science activities and STEM projects that fit your time and budget! We hope you enjoy the materials we have put together for you today!

~Sarah and Liam