

SNOWFLAKE FUN

Super simple snowflake activities for winter art that kids of all ages will enjoy doing!

CRYSTAL SNOWFLAKES

When the flakes start flying, get set up to make your very own sparkling, indoor snowflakes.



SNOWFLAKE SALT PAINTING

Have you ever tried salt painting for a quick science and art activity? We think snowflake salt painting is tons of fun!

SALT CRYSTAL SNOWFLAKES

Our crystal snowflakes with science project is cool and doable for all ages!



SNOWFLAKE STAMPS

Don't have any snow, 80 degrees and sunny? No worries, you can still create a snowstorm at home or in the classroom with our snowflake stamps!

SNOWFLAKE TAPE RESIST

Our tape resist snowflake painting is easy to set up and fun to do with kids this season.



FIZZY SNOWFLAKES

Erupting snowflakes? Yes, please! It's easy to add a fun theme to a baking soda experiment!



SNOWFLAKE OOBLECK

Learn about non-Newtonian fluids while digging your hands into a neat tactile sensory experience too.



Scientific Process



Ask a Question

What do you want
to learn or test?



Do Some Research

Gather information about what you want to learn.



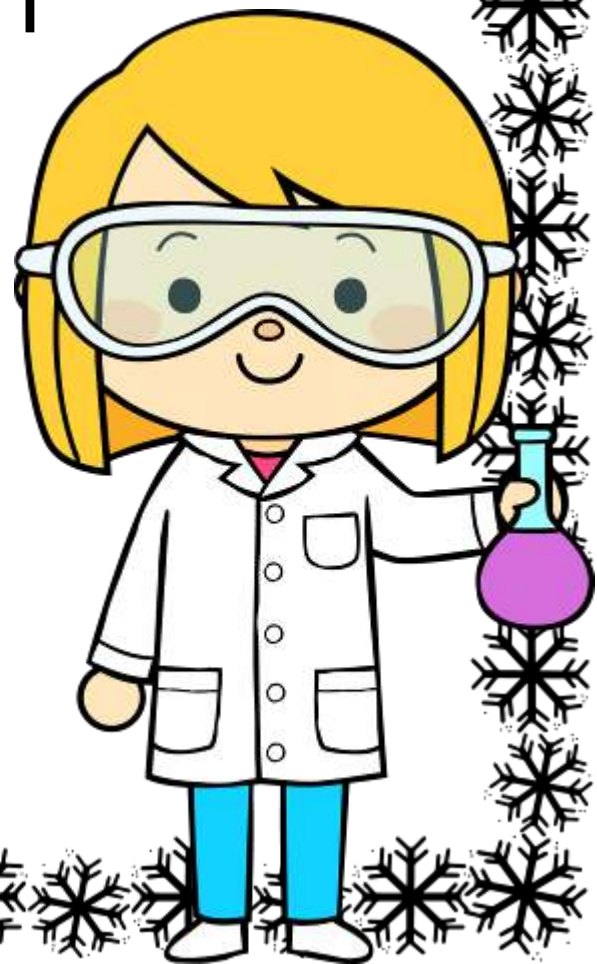
Make a Hypothesis

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!



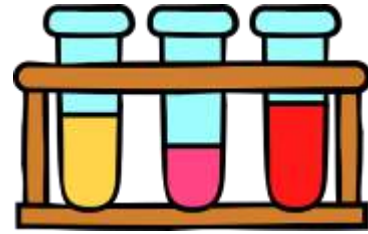
SCIENTIFIC METHOD



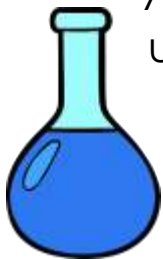
A method or procedure that uses an organized approach to solving a problem or answering a question through the use of a hypothesis, experimentation, observation, and data analysis.

HYPOTHESIS

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



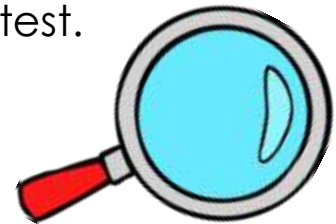
EXPERIMENT



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

SNOWFLAKE STEM TINKER SUPPLY LIST

Beads

Bows

Buttons

Candy sticks

Clothes pins

Cotton balls

Cotton swabs

Doilies

Dried cereal

Dried pasta

Feathers

Felt

Flat marbles

Gems

Glitter

Glitter glue

Glow stars

Glue

Golf tees

Gumdrops

LEGO® bricks

Marbles

Marshmallows

Paint

Paper

Paper clips

Pipe cleaners

Pom-poms

Popsicle sticks

Pretzel Sticks

Ribbon

Rubber Bands

Scissors

Sequins

Shells

Skewers

Sponges

Straws

Toilet paper rolls

Toothpicks

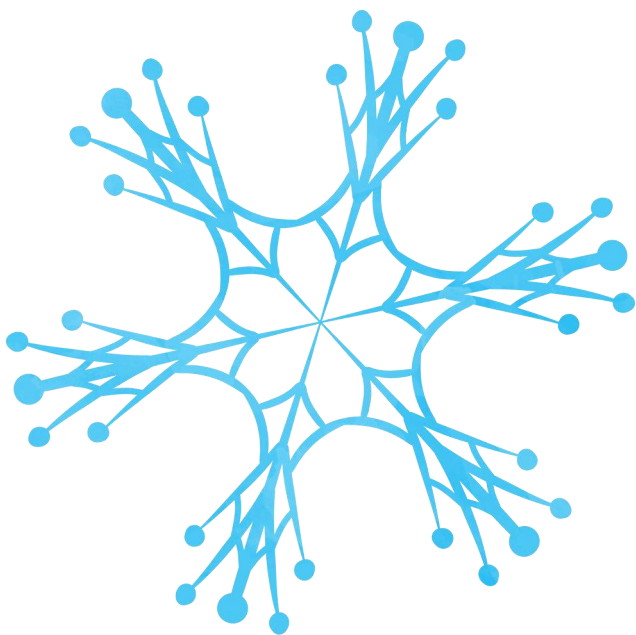
Twist ties

Washi tape

Wooden planks

Yarn

Zip ties

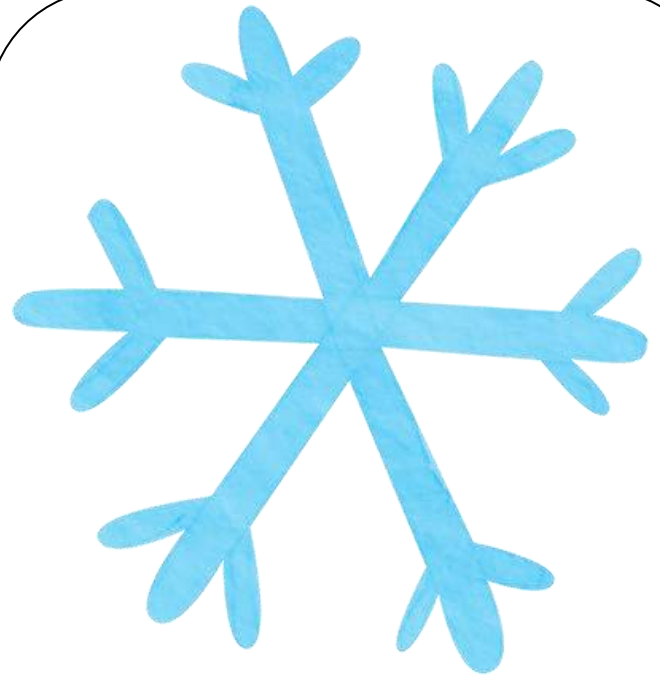




BUILD A LEGO® SNOWFLAKE

Possible Supplies:

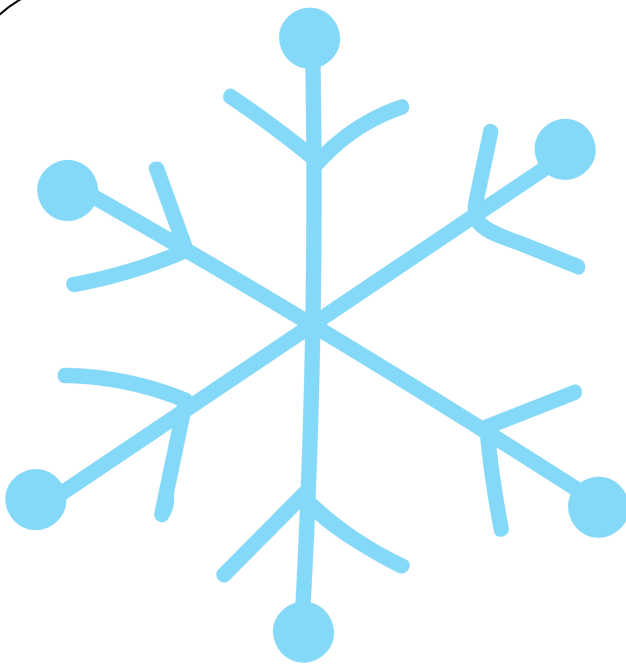
LEGO® bricks,
snowflake template (or build your own)



BUILD A SNOWFLAKE WITH COTTON SWABS

Possible Supplies:

popsicle sticks, glue, shells, stickers, gems,
glitter glue, cotton balls, sequins,
snowflake template (or design your own)



BUILD A SNOWFLAKE WITH PIPE CLEANERS

Possible Supplies:

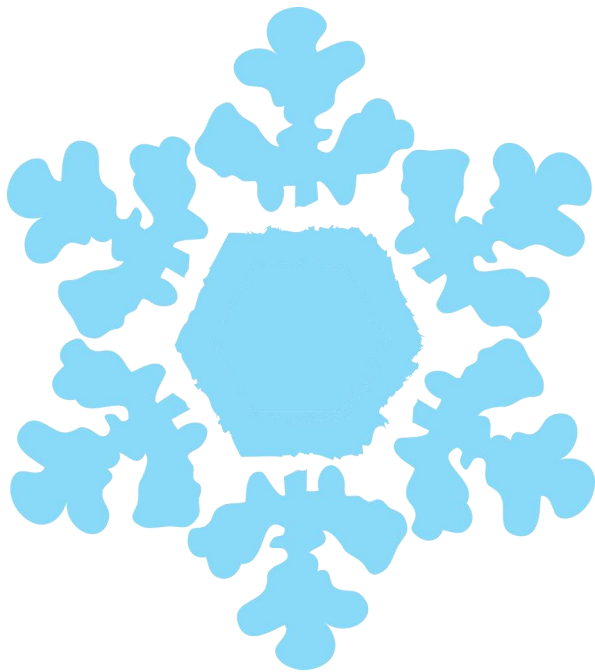
Pipe cleaners, gems, paper, twist ties, pom-poms,
twist ties, buttons, feathers,
snowflake template (or design your own)



BUILD A SNOWFLAKE WITH PAPER

Possible Supplies:

paper, sequins, twist ties, glue, toothpicks,
tape, Washi tape, skewers, gems,
snowflake template (or design your own)



Build a Snowflake with Marshmallows

Possible Supplies:

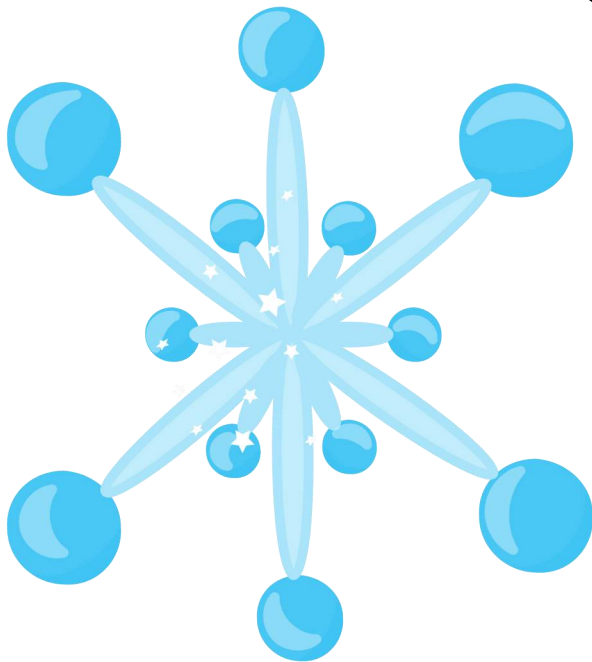
marshmallows, candy sticks, dried cereal,
pretzel sticks, dried pasta, toothpicks,
snowflake template (or build your own)



Build a Snowflake with Beads

Possible Supplies:

popsicle sticks, glue, shells, stickers, gems,
glitter glue, cotton balls, marbles,
snowflake template (or design your own)



Build a Snowflake with Buttons

Possible Supplies:

buttons, toothpicks, popsicle sticks, glue,
glitter glue, pom-poms, tape, zip ties,
snowflake template (or design your own)



Build a Snowflake with Feathers

Possible Supplies:

feathers, sequins, twist ties, glue, toothpicks, tape,
Washi tape, snowflake template (or design your own)



Build a Snowflake with Straws

Possible Supplies:

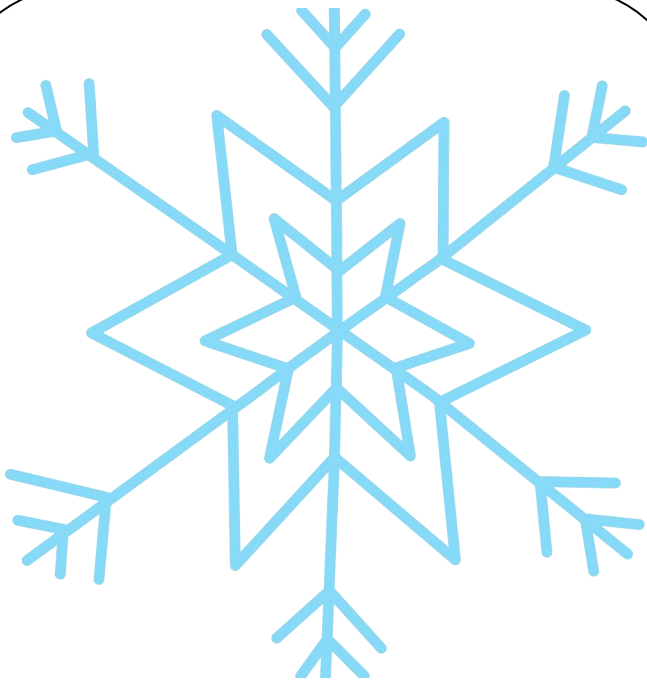
Straws, pipe cleaners, gems, beads, buttons, tape, glue, snowflake template (or design your own)



Build a Snowflake with Popsicle Sticks

Possible Supplies:

popsicle sticks, glue, shells, stickers, gems, glitter glue, cotton balls, marbles, snowflake template (or design your own)



Build a Snowflake with Wood Planks

Possible Supplies:

wood planks (Keva, Kapla, or even Lincoln Logs)
snowflake template (or design your own)



Build a Snowflake with Pompoms

Possible Supplies:

pom-poms, Twist Ties, cotton swabs, cotton, paper, glue, toothpicks, tape, Washi Tape, snowflake template (or design your own)

STEM Steps to Success



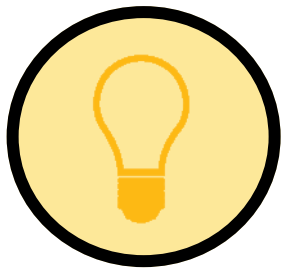
Observe/Ask

- What is the problem?
- How have others solved the problem?
- What are the limitations/guidelines?
- Who can help me solve this problem?



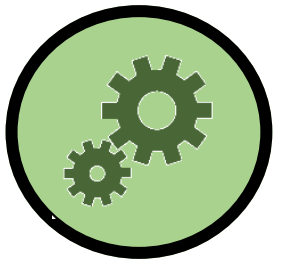
Collect

- What information will I need to solve this problem?
- What resources do I have or need to solve this problem?



Imagine

- How can I solve this problem?
- Have I found an “out of the box” solution?
- Do I have more than one solution?



Plan

- What materials do I have/need?
- What steps will I take to solve this problem?
- What could go wrong?



Create

- I will test my plan!
- I will take notes of my process/observations!
- I will draw/take pictures as I work, for reference later!



Improve

- I will reflect on my design.
- What changes can I make to improve my plan/solution?
- What does my data tell me about my first attempt?
- I can create another plan and retest!

My STEM Challenge:

? ASK

What is the problem?



Collect Information

What information & resources will I need?

Imagine

How can I solve the problem?



Plan



What materials
do I have?



Create

I will test my solution
and take or draw notes.



Improve

What changes can I make
to improve my plan?

My Research Notes



Draw It

Draw It

My Next Plan



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

