



SCIENCE LITERACY WEEK

September 19th to 25th, 2022

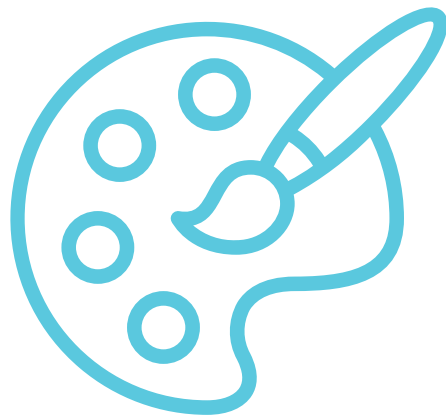


SCIENCE LITERACY WEEK

Activity for Ages 0-4 Water Colours

WHAT YOU'LL NEED:

- Ice cube tray
- Food Colouring
- Popsicle sticks
- White paper



INSTRUCTIONS:

- Fill up an ice cube tray with water
- Place food coloring drops in each one – try mixing colors together to make a new color
- Place popsicle stick in each and freeze
- Once frozen pop out the trays, use white paper and you have your own water colors
- Enjoy your very own artwork!

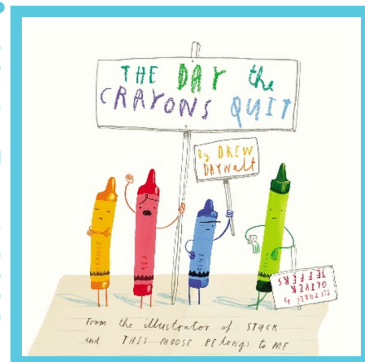
SCIENCE LITERACY WEEK

Activity for Ages 0-4 Invisible Ink

WHAT YOU'LL NEED:

- White Paper
- White Crayon
- Water Color Paint

BONUS READING!



INSTRUCTIONS:

- On your white paper, use a white crayon to draw or write anything you like
- Use water colours to then paint all over the page
- Watch and see what happens!

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Activity for Ages 5-10 Will a Tinfoil Boat Float?

WHAT YOU'LL NEED:

- Tinfoil
- Bowl of water, sink or bathtub
- Coins

INSTRUCTIONS:

- Cut a piece of tin foil 5x6 inches
- Fold up the sides to make it a “boat” or “bowl shape” so it will hold coins
- Place it into a sink, bathtub or bowl filled with water
- Begin adding coins, see how many coins your boat can carry before it sinks
- Once your boat sinks, you can try it again. Each time, try making your boat differently (fold the sides in a different way, use less tin foil, or more tin foil, try a different size coin)
- Use the table below to compare!



How Many Nickels	How Many Dimes	How Many Quarters	A mix of coins:
			#nickels #dimes #quarters

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Activity for Ages 5-10 Rain Cloud in a Jar

WHAT YOU'LL NEED:

- One large glass, mason jar or plastic cup
- Shaving cream (has to be foam, not gel)
- Food colouring
- Pipette or eye dropper
- Water



INSTRUCTIONS:

- Fill the glass/jar with water until it is roughly $\frac{3}{4}$ full
- Use the shaving cream to create a thick cloud layer on top of the water
- Wait 1-3 minutes to allow the foam to settle
- Drop food colouring on top of the foam
- Observe what happens within and below your cloud!
 - Did the cloud change colours?
 - Did different colours do different things?
 - What happens if you use cold water vs warm water?
 - Did the colours fall from the cloud right away?

Check it out at: <https://student-tutor.com/blog/top-science-experiments-for-kids-and-teens/>

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Activity for Ages 10-15 Skewer a Balloon

WHAT YOU'LL NEED:

- Balloon
- Skewer
- Dish Soap

INSTRUCTIONS:

- With the balloon blown up, rub dish soap on the outside near where the balloon is tied and the opposite side
- Take your skewer and push it through the balloon
- Does it work? Did the balloon pop?



Check it out at: <https://www.science-sparks.com/how-to-put-a-skewer-through-a-balloon/>

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Activity for Ages 10-15 Egg Zipline

WHAT YOU'LL NEED:

- String/Rope
- Egg (chocolate, or hard boiled)
- Pipe Cleaner
- Timer

INSTRUCTIONS:

- Tie your string between two points – one has to be higher than the other
- Make your own harness for your egg and attach it to the zipline. The harness needs to keep the egg from falling, and is the transportation for the egg on the zipline
- Start with a small push, and time how long it takes to get to the end of the string

Check it out at: <https://www.science-sparks.com/egg-stem-challenge/>

BONUS READING!

