

CURIOUS MINDS

Everyday Science at Home!



LET'S SPARK CURIOSITY!

This resource supports:

Scientific thinking:

- Observation
- Prediction
- Test
- Reflect

Cross-curricular links

- Writing
- Numeracy
- Art
- Environmental awareness

Flexible use:

- Dip in weekly or build mini projects over time
- Use each page as an individual activity or join them together into one big project!





HOW TO BE A SCIENTIST

Find out what a scientist is!

Create a poster, newspaper article or story that explains what a scientist does.

Include as many of these words as you can!

Explain

Wonder

Learn

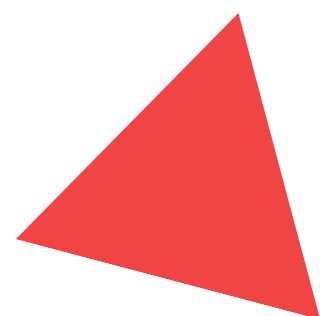
Observe

Test

Adapt

Investigate

Question






INVESTIGATION JOURNAL

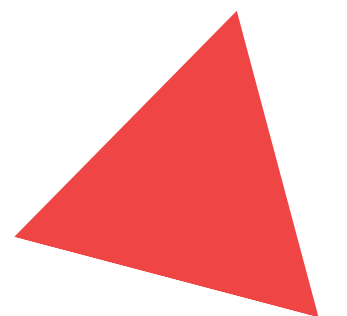


An important part of being a scientist is making sure you have all your results collected!



Use the following pages to create your own journal, copy the ideas, create your own or simply print off the pages – it's up to you!

Use them to complete your science projects!

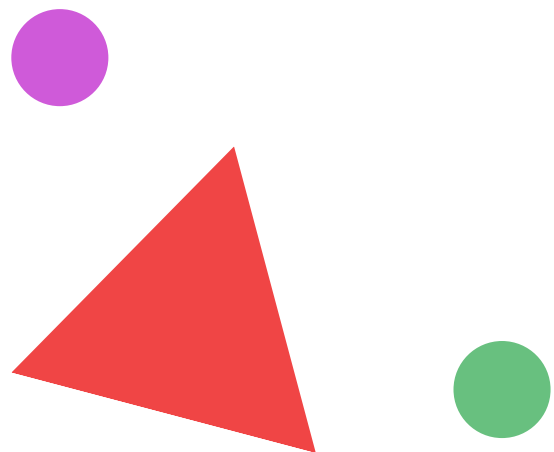


INVESTIGATION JOURNAL



MY QUESTION/WONDER

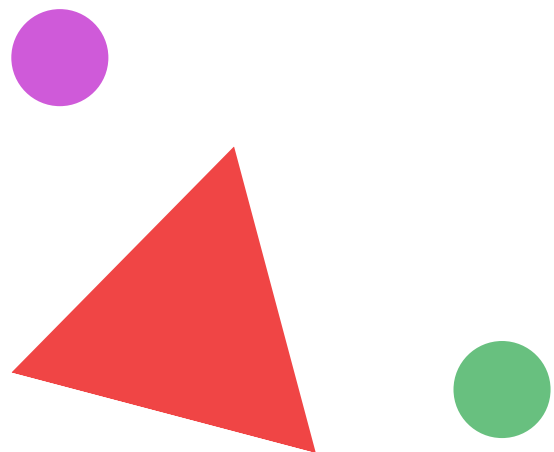
What do I want to find out?



WHAT I THINK WILL HAPPEN

I think...

Because...



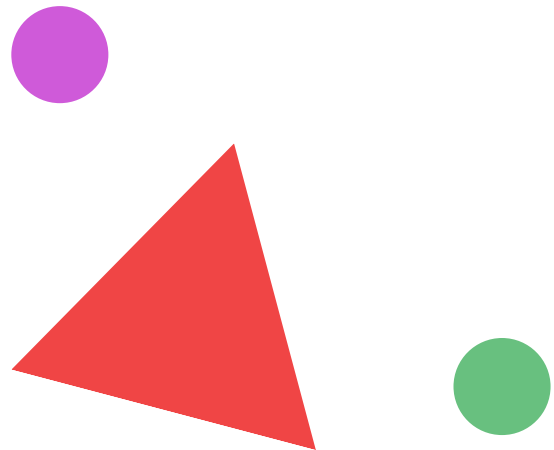
WHAT I DID... (MY METHOD)



First, I....

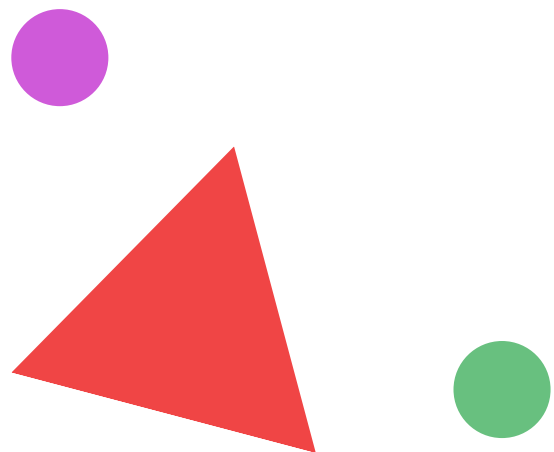
Then, I...

I used...



WHAT I OBSERVED

What did I hear, feel or smell?

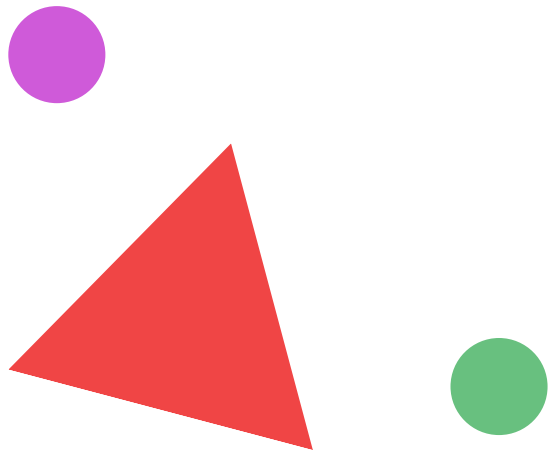


MY RESULTS

Did anything change?



How did I record it? (you can use drawings, photo's, writing... there are lots of ways!)



WHAT I LEARNT



I found out that....

This tells me that....

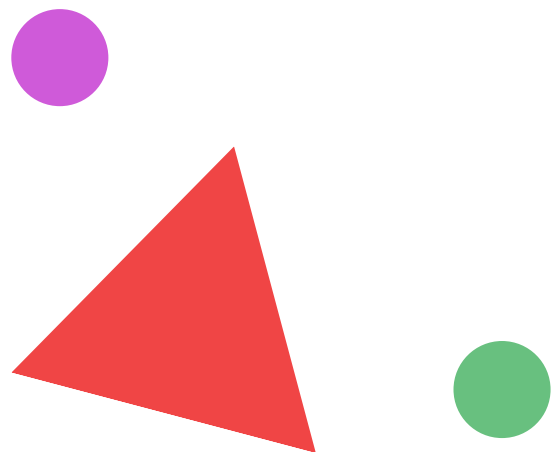
Next time, I'd try....

What skills did you use?

- ☐ Observing
- ☐ Predicting
- ☐ Measuring
- ☐ Recording
- ☐ Testing
- ☐ Thinking differently

How did you rate this investigation?

- 😊 Loved it
- 🙂 It was OK
- 😐 Not my favourite



DISCOVERY PROMPTS

No prep needed – just conversation, drawing or thinking!



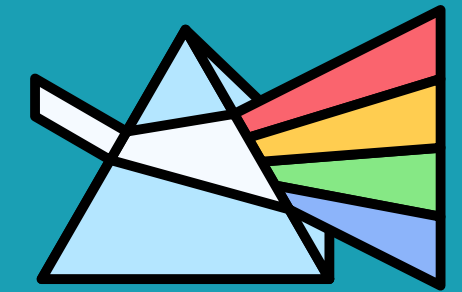
What would happen if I stopped watering a plant for a week?



Why do puddles disappear?



What makes food go mouldy faster or slower?



How can I split white light into colours?



Which memory tricks work best for me?



What things can we move without touching them?



EASY HOME EXPERIMENTS

Dancing Raisins

Need: Bicarbonate of Soda, Vinegar and Raisins!

What makes them rise and fall?

Build a Paper Bridge

Need: Paper, coins

How many coins can it hold?
What makes it stronger?

Growing Seeds in a Jar

Need: a pack of seeds (beans or sunflowers are best!), cotton wool, a jar

How do roots grow?
What do they search for?

Static Electricity Magic

Need: Balloons, hair + paper

Why do things stick?

SCIENCE CHALLENGES



When completing a science experiment, complete these challenges for deeper thinking!

- Draw this experiment from an ant's point of view
- Write a letter to a real scientist explaining your results
- Invent a new way to test your idea
- Design your own experiment using ice or heat.