

Self Isolation Science

Year 3 4

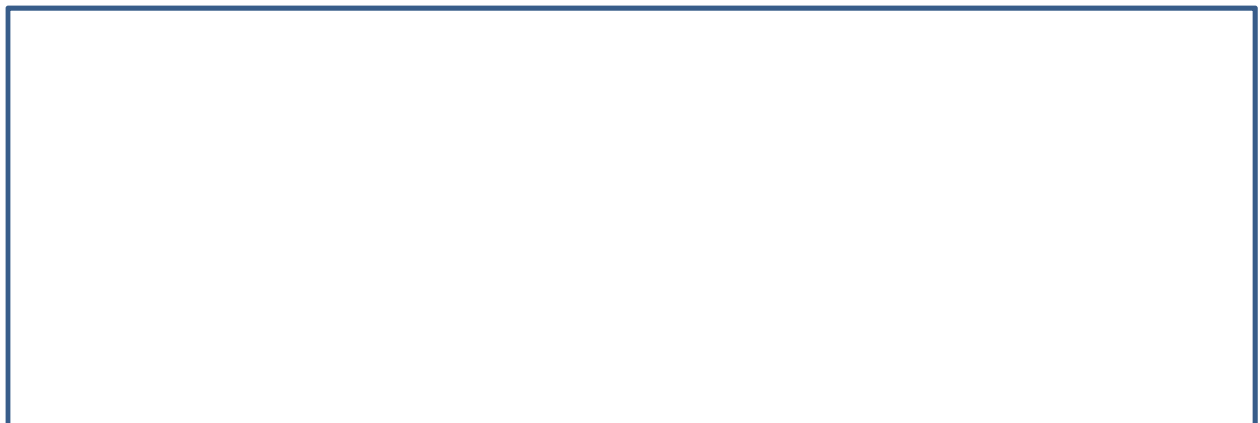
Rocks and soils

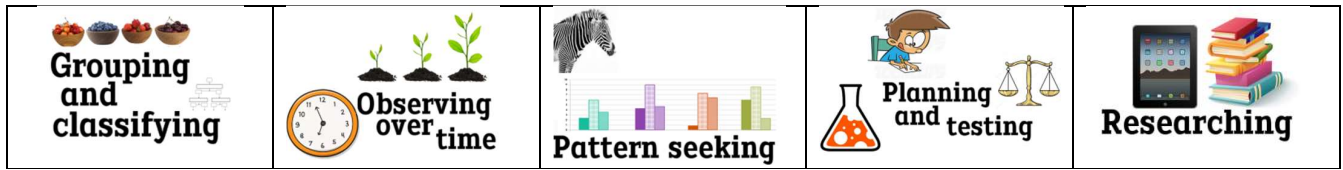
Collect as many different rocks from your back garden. Classify them below.

Is it big or small?	Shape?	Colour?	Rough or smooth?	Does it have holes in?	Does it crumble if you try and break it?

Where are all the worms?

Be gentle and careful by digging in the soil with your fingers. Did you see any worms? Do they prefer the light or dark? What conditions do you think a worm needs to survive? **Draw a worm here:**



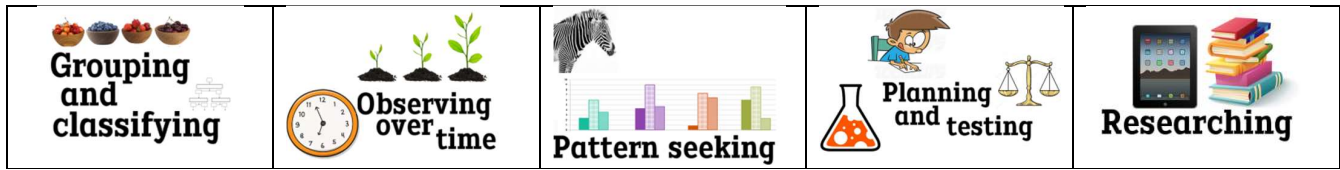


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Garden in a jar:

Dig for some soil in your garden. Put it into a transparent jar and fill almost to the top with water. Give it a shake and set it down. Observe every hour and draw what you see.





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States of matter

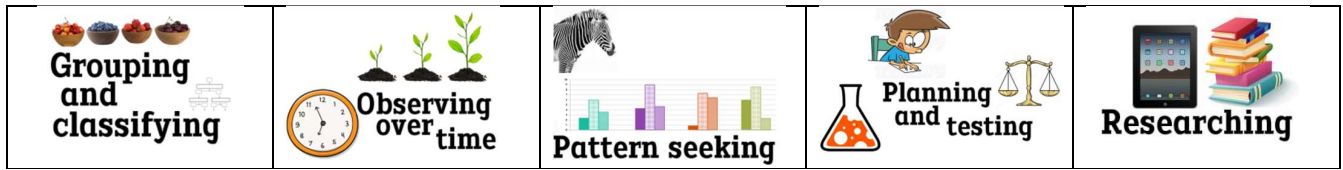
What can you freeze? What freezes the fastest? What will it look like?

Liquid	How long did it take to freeze?	What changed in how it looked?	What do you think will happen if you let it melt?

The best way to dry washing:

What is the quickest way to dry clean washing? Try putting some in different places around your house and feel to see which dried the fastest. To make this a fair test, use the same clothes for each space, like socks or school uniform.

How long did it take?	On a radiator	Near a radiator	On the back of a chair	Outside
Socks	30 minutes	1 hour	Half a day	2 hours



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Research questions: These will need access to the internet to be able to investigate. You can write your answers in the space on this page.

Year 3

What are all the different ways that seeds disperse?

Why do different types of vitamins keep us healthy and which foods can we find them in?

Who was Mary Anning and what did she discover?

How does the Sun make light?

How have our ideas about forces changed over time?

How does a compass work?

Year 4

Why are people cutting down the rainforests and what effect does that have?

How do dentists fix broken teeth?

What are hurricanes, and why do they happen?

How has electricity changed the way we live?

How does a light bulb work?

Do all animals have the same hearing range?