Super Science Investigations

- Pick one of the following investigations and try to work like a real life scientist.
- Make a prediction about what you think will happen in the investigation.
- Which variables (a factor/thing) do we need to change each time?
- Which variables do we need to keep the same each time?
- What happens if we don't control the variables?
- Make a table to record your data.
- When carrying out the investigation consider problems that may impact the results.

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Write a conclusion based on the data you collected. Reflect on your own prediction.

Dissolving

Which solids dissolve in water?

You Will Need

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- Water (hot and cold)
- · Transparent Containers
- Substances to try and dissolve; sand, sugar, salt, coffee etc

Method

- 1 Add a teaspoon of whichever solid you are testing to a glass of cold water and a glass of hot water, stir and observe the difference.
- 2 Look to see if the solid dissolves in the hot water and cold water and if one is better than the other.
- 3 Can you design a chart to record your observation?

Floating Egg

What happens when you put an egg in a glass of regular water?

This is a cool way to learn about density.

Materials:

- ne egg
- water
- ★ Salt (1 2 cups)
- A tall drinking glass
- A spoon

Instructions:

- Pour water into the glass until it is about half full.
- 2. Place an egg in the glass of water and see if it sinks or floats (it should sink).
- Stir in lots of salt. Start with 1 tablspoon and stir it until the salt dissolves. Keep adding more salt until the egg floats.
- 3. Next, carefully pour more fresh water until the glass is nearly full (be careful to not disturb or mix the salty water with the plain water). If you're very careful, you can get the egg to float between the fresh and saltwater!



You will need an adult to supervise and support you.

Heat the spoons and test which material conducts heat best. If it can pass through butter easily it is a good conductor.



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What will we keep the same?				
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What will we change?				
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<u>Results</u>		Conclusion	1	
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