



St Joseph's Weekly Science Home Learning Newsletter

We would love for you to still ask questions about the world, investigate, discover and answer your questions using Science during your time at home. To continue scientific investigation at home, we will be setting you a simple experiment you can conduct at home each week with your parents/ careers. Don't forget to share a picture or video on Twitter with the hashtag #ScienceAtStJosephs or on your class Seesaw pages.

Dissolving

Which solids will dissolve in water?

Substances to test if they dissolve, such as coffee, salt, pepper, sand etc.

Hot and cold water in clear glasses

Coffee

Sugar

Pepper

Salt



A teaspoon of coffee added to cold water

Method

1. Add a teaspoon of a solid that you wish to test into 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?

Questions

- Can you predict what substances will dissolve?
- What will affect the substances ability to dissolve?
- What other substances could we test?
- How many teaspoons of each substance do you think will dissolve? Can you test this?

The Science Bit

Things like salt, sugar and coffee dissolve in water, this is as they are soluble. They usually dissolve faster and better in hot water. Pepper and sand are insoluble and therefore they will not dissolve even in hot water.

For KS2 Children

Everything is made of particles which are always moving. When a soluble solid (solute) is mixed with the right liquid (solvent), it forms a solution. This process is called dissolving.

Fun Online Science Resources

- <https://pstt.org.uk/what-we-do/news/science-work-meet-florence-nightingale> - Each week the Primary Science Teaching Trust are creating opportunities to meet past and present scientists and to learn more about people who do jobs that use science. This week it is Florence Nightingale. You can also send in questions to next week's guest.
- <https://www.edinburghzoo.org.uk/webcams/panda-cam/> - See a range of animals from Edinburgh Zoo online via a webcam, including pandas, penguins and lions.

- **The Great Science Share** is currently taking place with a new theme each week. This week's theme is 'Celebrating the Royal Astronomical Society.'



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Find ideas and activities to get involved in here -



<https://www.greatscienceshare.org/getinvolved2020#weekly-themes-2020-wk2>

We look forward to seeing the results of your experiments.

Miss Gorman Kiely

Safety Warning

- Please be careful when using hot water.
- Do not put certain substances you are testing in your mouth.