

## Science Summer 2 Homeworking ideas – 1/6/20

Hi Everyone! I hope you all had a good half term and are ready to do some more fun learning tasks! I hope everyone is well. I can't believe how long it's been since I've seen your lovely smiley faces. I hope you are all enjoying spending time with your families at home and look forward to seeing you again very soon!

We would be starting a new half term if we were in school and our new science topic would be Light. I am sending home a few activities for you to do either on your own or with help from someone in your family which are all related to our new topic.

Have fun trying them out!

Take care,

Bianca

### **BBC bitesize – Light and Dark KS1/KS2**

<https://www.bbc.co.uk/bitesize/topics/zbssgk7/articles/z2s4xfr>

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On this website you can find out all about light, where it comes from and how it travels.

**Task 1** – Can you find out all about light? Do some research on the internet and find out a little about light sources. Can you find any light sources in and around your home?

**Task 2** – Reflective materials – Find out what they are and how they can be useful. Can you think of ways in which they may be used?

**Task 3** – Mirrors! Can you write a short, reversed message on a mirror and ask someone to use a mirror to read it back to you? Ask them to write you a message in return. Can you read what it says?

**Task 4** – All about the sun! Find out all about UV light. What is it and what are its effects? Perform a simple experiment by drawing on a piece of paper with felt tip pens and positioning it in direct sunlight for a week. What happens to your drawing?

**Task 5** – Making shadows – Can you find out the meaning of the words opaque and transparent? Place an object in front of a source of light and draw the outline of it. This is even more fun if you do it outside on a sunny day and draw around your outline with a piece of chalk!

**Task 6** – Changing shadows – How do shadows change when the distance between the light source and the object change? Can you find out by doing another experiment?

Take an object outside. Place it in front of the sun so that it makes a shadow. Draw around the outline with chalk. Leave the object where it is and go back out every hour for three hours. Has the object changed place? Can you research why this happens?

Don't forget there are these useful websites which are all science related...

The PSTT (Primary Science Teaching Trust) are giving pupils weekly opportunities to learn about scientists (past and present) in an interactive way. They give you tasks to email in and you get the chance to ask questions which may appear in their video the following week.

<https://pstt.org.uk/resources/curriculum-materials/Science-at-Work>

[www.Sciencefun.org](http://www.Sciencefun.org) have some cool experiments to try if you've had a go at the ones on your task sheet.

Also, the STEM website is offering remote lessons which cover our past topic – Animals, including humans and also our current topic, Light and Dark.

[https://www.stem.org.uk/remote-lessons/key-stage-2?utm\\_source=Adestra&utm\\_medium=email&utm\\_term=&utm\\_content=key%20stage%20%20lessons&utm\\_campaign=Remote%20CPD%20-%2005.05](https://www.stem.org.uk/remote-lessons/key-stage-2?utm_source=Adestra&utm_medium=email&utm_term=&utm_content=key%20stage%20%20lessons&utm_campaign=Remote%20CPD%20-%2005.05)

I have also attached some science experiments sheets for you to try at home. Have a go and have some fun trying them out!