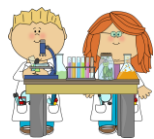


Looking forward to Science in Year 7 at The Stonehenge School



What is Science?



Science is about discovering new things to improve your understanding of our World. ...and that is exciting!

Some of you will join us from your primary school having done lots of Science. Some of you may have done a little less. It really doesn't matter how much knowledge you bring.

What we hope you will bring is enthusiasm. An excitement to learn more about the world around you and how it works, from the tiny particles that make up this piece of paper (what are they like, where were they before they were in this piece of paper?) to why you can see the paper at all (what needs to happen for your eyes and brain to be able to make sense of these words?).

Where are we?



Science classrooms are all located in middle school.

We have 8 Science rooms (laboratories) which are all specially designed for you to be able to learn by doing experiments and practical tasks (which we like to do as much as possible!)

Lots of new year 7 pupils say that being in the Science labs is one of the most exciting things about being in secondary school.

Different types of Science



There are 3 main areas of Science:

Biology: Where you learn about plants and animals.

Chemistry: Where you learn about particles and their chemical reactions.

Physics: Where you learn about the effects of forces and energy.

They all fit together to help your understand of our world and you will learn all 3 at Stonehenge.

Homework



As well as the usual homework tasks, we also use a homework app called TASSOMAI. Here you do short Science quizzes (on your phone or computer) that take about 10 minutes. We ask you to do this at least 4 times each week and we have found it really helps to maximise how much you understand and remember. You will be given a login and password in the first few weeks of joining the school.

Science outside of lessons



Look out for after school Science clubs and the chance to get involved in national Science competitions.

Can't wait to get started?

Here are a few things you could try at home before you begin year 7.

They are all simple to do, but will raise lots of questions (and that's what Science is about!):

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| <p>Plant some seeds and watch them grow!</p> <p>Perhaps plant the same seeds in 3 pots. Give one pot water but no light. Give the second pot light but no water. Give the third pot both light and water.</p> <p>What differences do you see?</p> | <p>Can you spot the International Space Station in the sky?</p> <p>It is often visible and you can download free apps to locate it, some (such as a free app called Night Sky) will even notify you when and where to look! You may even spot some planets!</p> | <p>How many different birds can you spot in your garden?</p> <p>There are lots of books, websites and apps to help you identify birds.</p> <p>Perhaps keep a diary to record your observations.</p> |
| <p>Blow up a balloon in a bottle</p> <p>Place a balloon in an empty plastic bottle with the end of the balloon sticking out of the top.</p> <p>Try to blow it up.</p> <p>Can you think of a way to make it easier?</p> | <p>Make your own rain gauge</p> <p>Follow the instructions from the Met Office here: www.tinyurl.com/ya5nnw8r</p> <p>Keep a diary of your results.</p> | <p>How far can you make a paper airplane fly?</p> <p>We've all tried one, but have you made all of these: www.tinyurl.com/ybz8fjko</p> <p>This site has loads of designs + folding instructions!</p> <p>Why do some fly further?</p> |
| <p>Improve your knowledge:</p> <p>Go to www.sciencejournalforkids.org and read about some things that look interesting to you.</p> | <p>Try some of these static electricity experiments:</p> <p>www.tinyurl.com/smn2urq</p> <p>WARNING: ADULT SUPERVISION REQUIRED!</p> | <p>Make a lava lamp!</p> <p>Instructions here: www.tinyurl.com/y8zdtffg</p> <p>WARNING: ADULT SUPERVISION REQUIRED!</p> |
| <p>Make a volcano!</p> <p>www.tinyurl.com/y64uboxq</p> <p>WARNING: ASK AN ADULT FIRST AND DO THIS OUTSIDE!!</p> | <p>Build a paper roller coaster</p> <p>www.tinyurl.com/ydftq8jz</p> <p>Click the <i>explore</i> tab to investigate this further.</p> | <p>Explore National Geographic for Kids at</p> <p>www.natgeokids.com/uk/</p> <p>There is lots of information and more activities to try</p> |