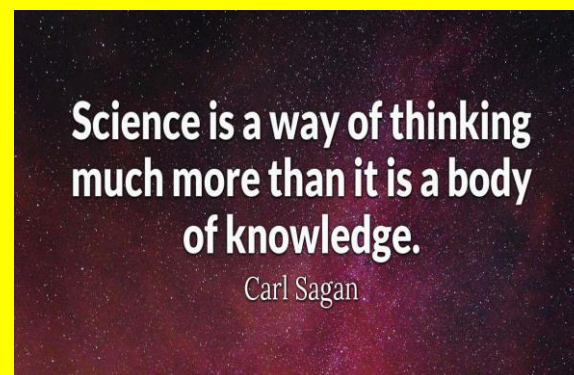




Science



Science home learning

Science is all about exploring and investigating. The scientific process is often more important than the knowledge. Learning how to adapt and alter experiments, whilst figuring out what variables you could change and improve, are the key skills of all scientists. It does not matter if an experiment does not work how you hoped it would because you can always learn from this and try it again, this time changing something to see if that has any effect.

Madley Virtual Science Fair!

At school, we are working towards the PSQM (Primary Science Quality Mark) Award. Part of this is about sharing the science that goes on outside of school and that you do at home. I would love your help to set up a virtual science fair of your own investigations to share with everyone else. Below is a series of websites that have plenty of ideas for things you could try at home. Have a browse through and see if there is anything you would like to try. Alternatively, speak with your family and come up with your own ideas. What science experiments can they remember doing when they were at school? Always go with what interests you and sparks your own curiosity. If you try any experiment, please could you send in a photo or video of your science project so we can share the experiment with each other? What did you learn from your investigation? One final rule - have fun with it! Thank you! Mr Ford

Recommended science websites and resources to help and inspire you at home:

STEM <https://www.stem.org.uk/home-learning/family-activities?fbclid=IwAR1OT8NWjA9xuYb1bpvyX6fmINwjber9AldbuZqOhV5-XCCzZAF7m4sAio0> A range of fun hands on activities for families at home.

Dr Chips <https://drchips.weebly.com> Daily doses of science, engineering and computing activities to try at home.

Let's go live with Maddie and Greg <https://www.youtube.com/user/maddiemoate> Live lessons on a variety of science topics.

Glasgow Science Centre <https://www.glasgowsciencecentre.org/gsc-at-home> Bringing science into your home at 10am every day.

WOW Science <https://wowscience.co.uk> A collection of primary science activities.

Crest at home challenges <https://collectionlibrary.crestawards.org/superstar-home-learning/63241423> Challenges and project ideas to do at home.

Whizz Pop Bang <https://www.whizzpopbang.com/free-resources/?fbclid=IwAR1WJTWGcD4NPTqZtYAOWIMcK505js6LHG-h6gH0nr7By2QqierwZtZLaz0> Free science home learning resources.

Science Museum <https://learning.sciencemuseumgroup.org.uk/learning-resources> Free learning resources including activities, games and videos.

The Royal Institution: ExpeRimental <https://www.rigb.org/families/experimental> A series of short films making it fun, easy and cheap to do science experiments at home with your children.

The Institute of Physics: Moon adventure <https://beta.iop.org/moon> What's it like to be an astronaut? Where did the Moon come from? What's the future of humans in space?

Science Sparks <https://www.science-sparks.com> Fun ideas and experiments for children.

Cracking ideas <https://crackingideas.com> Teaching and learning resources.

NASA Kids' Club <https://www.nasa.gov/kidsclub/index.html> Missions, activities, links to real NASA space events and more.

Jodrell Bank <https://www.jodrellbank.net/learn/sciencelearningathome> Science learning resources and activities for at home.

BBC Stargazing live <https://www.bbc.co.uk/programmes/articles/2pZFdnsPGl1DDwH6pZbJKkh/guides-downloads> Videos, learning guides and activity packs.

Dr Jo Science Solution <https://drjosciencesolutions.co.uk/workshops-2/resources> Lots more website links and suggestions.

Whilst you are working on your entry for the Madley Virtual Science Fair, consider sharing your work nationally or entering a competition.

Can you contribute to the Great Science Share on June 16th?

<https://www.greatscience.share.org/getinvolved2020xgreatscience.share>

Competitions to enter - prizes to be won!

<https://www.ase.org.uk/competitions-engage-pupils-during-lockdown>

See also the attachments on the Madley science webpage for 'Stem starter' and 'Try this at home' ideas, all from the STEM website.