

Dear Teachers/Key Workers

The Primary Science Teaching Trust would like to support you during these difficult times.

<https://pstt.org.uk/resources>

We wanted to share with you a new PSTT initiative called 'Science at Work' which involves weekly videos of scientists/people who work in science related jobs. Children will have the opportunity to pose questions which will be answered during the weekly streaming on PSTT's Facebook account. Please read below in the online links section.

Online Links

*PSTT Science at Work Resource: the first video was about Florence Nightingale, with clear links to the current covid-19 situation. The following week, the video was split between a junior doctor working on a covid-19 ward, and a viral immunologist. The week before each video, activity sheets will be released with prompts for children to find out more about the person/people. Children will be invited to upload questions and/or picture to the PSTT website; these will be sent on to the scientist who will then answer them during their presentation.

Key things you need to do to take part.....

Every Tuesday we will release an activity sheet – these can be downloaded from

<https://pstt.org.uk/resources/curriculum-materials/Science-at-Work> or sent straight to your inbox by signing up to our mailing list.

Click on the SEND US YOUR QUESTION tab below and complete the form to submit your child's question and/or upload their drawing by 3pm on Thursday the same week.

The following Tuesday watch the video - just follow this link and don't forget to download the activity sheet for the next week's scientist.

Practical Ideas: *two lovely activities from PSTT fellow Mrs Pass (@MrsPassSci).*

Make a frog jump!

Equipment: coloured paper, scissors, and balloon.

How to: cut out frog shapes using the paper; place them on a flat surface; blow up a balloon and rub it on a jumper to create static electricity; hold the balloon over the frogs and watch them jump up.


Taking it further: do different types of paper and cardboard work in the same way? How long does the frog stay stuck for? Does the amount of time you rub the balloon make a difference? Does the size of the frog change how long it sticks for?

Build a sugar cube tower!

Equipment: plate, water, food colouring, sugar cubes, foil, cling film, tissue.

How to: add a few drops of food colouring to some water and pour onto the plate; add a stack of sugar cubes and observe what happens (the coloured water should move up the stack of cubes and eventually make them collapse); try adding a small sheet of foil on top of one sugar cube and stack some more on top...does this stop the water reaching the top cubes?

Taking it further: try the same with some cling film, and some paper or tissue. Which work the best? Do brown sugar cubes react in the same way as white?




Wellcome Trust's **Explorify** website is a free resource of engaging, creative science activities they have been designed to spark curiosity, discussion and debate. From videos to hands-on activities, it's easy to get Explorifying!

<https://explorify.wellcome.ac.uk/blog/explorify-during-school-closures>

Enhance your science teaching and get your pupils thinking like scientists!

Home Learning Videos from SSERC: check out these activities that allow you to engage at home with easily accessible STEM videos. These videos can be used as a cook-a-long or to be viewed together and then the activity recreated. Making a science investigation book is a great video to start with.

The Science Museum has put together a really enjoyable collection of home learning resources that can be found at, <https://learning-resources.sciencemuseum.org.uk/>



Activity Prompts

PSTT Science at Home Resource: check out this week's new activity.


RHS Grow At Home scheme: check out daily tips and tasks, ideas to keep the children busy, plus a helping hand to grow your own fruit, veg and herbs. Whatever your experience, and whatever your space, use this time to grow!

Science Sparks Spring Activity Ideas: fantastic **spring science experiments for kids from the Science Sparks team**. As always, you don't need any special equipment, just things you are likely to already have around the house.



CPD Opportunities

If you're finding you have more time, now might be an excellent opportunity for some CPD. Check out ReachOut CPD <https://www.reachoutcpd.com/> Teach the primary science curriculum with confidence. Free online CPD, developed with Imperial College London. Mapped to curricula for England, Scotland, Wales and Northern Ireland



Don't miss the latest news from PSTT. Here's the link for the Summer 2020 PSTT Newsletter
<https://pstt.org.uk/what-we-do/news/PSTT-Summer-2020-newsletter>

You can ensure you receive all the newsletters by up signing up via this link

<https://pstt.org.uk/who-we-are/contact-us/newsletter>

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