

Finished your work? Let's SCIENCE!

Issue 8

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Key Stage 3 section: Stop apples from browning

When an apple is injured (cut into pieces), the tissue is exposed to oxygen and this causes an enzyme to oxidise polyphenols in the apple's flesh. Can we stop it? Dice up an apple and let 5 cubes soak in a different liquid e.g. water, milk, lemon juice. Then take them out, lay them on a tray, and check the brownness after 3 min, 6 min, and so on. What liquid should chefs use on cut apples?

Science stories this week

[The International Space Station is getting a new toilet!](#)

[Queen bees can "toot" and "quack". Wait, what?](#)

[Radioactive cloud over Europe had civilian background](#)

[Buildings and their microbiomes](#)

[The vultures aren't soaring over Africa – and that's bad news](#)

Key Stage 4 section: An Introduction to Coronavirus

[This free course](#), aimed at teenagers and young adults, will explore the science behind the current global COVID-19 pandemic. You'll hear from scientists and experts at the London School of Hygiene and Tropical Medicine, as they explain the research that's going on to understand the virus and guide the global response to coronavirus.

Experiments you can do at home

In this activity you'll be trying to balance long sticks on your fingertips. To minimise any breakages in your home we recommend trying the trick outside if possible, or clear yourself as large a floorspace as you can away from valuables if you try it inside!

[Click to see the video.](#)

Citizen science

Science can produce a LOT of data. Sometimes, there is too much for the scientists to look at themselves. This is where you can help, right now, to improve our understanding of the world around us. Each week we will showcase a different citizen science project that you could get involved with.

This week's project is Nestcams which is investigating the breeding behaviour of two bird species that each have a different breeding strategy . [Click to join this project.](#)

Science on the iPlayer

[Atlantic: The Wildest Ocean on Earth:](#) Massive whale pods, giant turtles and monstrous jellyfish!

[Forces of Nature with Brian Cox:](#) Brian Cox reveals how Earth's beauty is created by just a handful of forces.

[Shock and Awe: The Story of Electricity:](#) Jim Al-Khalili tells the story of our quest to master electricity.

Eyes to the sky

Although we won't see it in Europe, an annular solar eclipse will happen on Sunday when the Moon obscures the Sun leaving a "ring of fire" around the Moon. [Video here.](#)