

Finished your work? Let's SCIENCE!

Issue 10

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Key Stage 3 section: Compound Interest.

[Compound Interest](#) is a website that aims to take a closer look at the chemical compounds we come across on a day-to-day basis and explain them with easy-to-understand graphics. Recently they have explored [tear gas](#), [antibody tests](#), [nuclear waste disposal](#), [elements in fertilisers](#) and they've [many infographics about coronavirus](#). There is just so much to explore on their website.

Key Stage 4 section: Wreck your tech!

Taking apart *broken* gadgets such as a travel alarm clock, disposable camera, headphones, propelling pencil or a TV remote control is a great way of exploring beneath the surface of objects. It encourages students to question and find out how something works, and how it was made. [Instructions here](#). *NOTE: Never do this activity with an item that is still plugged into the mains.*

Science stories this week

[Flying snakes wiggle their bodies to glide from trees](#)

[Solar Orbiter ready for science](#)

[Swansea tidal energy: Hopes of plan for Dragon Island](#)

[Weird caterpillar uses its old heads to make a fancy hat](#)

[Evaluating a graphene-oxide water filtration system](#)

(This work was done by a Year 12 student!! Wow! - Dr A)

Experiments you can do at home

If you've ever wanted to boldly go to infinity and beyond, or to a galaxy far, far away, you can start by sending balloons across your living room! Once you have your design perfected you could try changing the size or shape of the balloon. Or change the way or direction the air comes out. How could you launch it straight up? [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 Steelpan Vibrations - investigating vibration patterns of Caribbean steelpan drums so that we can learn more about how they work. [Click to join this project](#).

Science on the iPlayer

[Earth from space](#): Cameras in space tell stories of life on our planet from a brand new perspective.

[Deep ocean: lights in the abyss](#): A world of countless exotic creatures; sparkling jellyfish and deep sea fish.

[Africa. The greatest show on Earth](#): The best moments from the breath-taking series 'Africa'.

Eyes to the sky

NASA's Spitzer Space Telescope concluded its 16+ year mission on January 30th, 2020. You can experience this in virtual reality on Oculus, Steam or YouTube. [More here](#).