

AQA Trilogy Science (Combined) – Physics Project

In Science, we will cover 3 different subjects: Biology, Chemistry and Physics. In the first year of GCSE we study B1, C1 and P1 and in the second year of GCSE we study B2, C2 and P2. You will sit an exam for each of these modules, so that is 6 science exams in the Summer of Year 11. You will complete 12 classroom-based Required Practicals to support you in your exams.

This project, for you to complete over your Summer holidays, is based on Physics, but brings in important research and design skills that you may need beyond school.

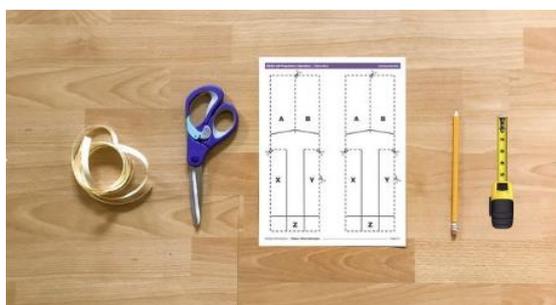
NASA design challenge

NASA has launched a competition to design a toilet for astronauts to use on the moon. Going to the loo in space is not particularly comfortable for astronauts, and the last time humans landed on the Moon in 1972 they had to wear big adult nappies!

For the next mission to the Moon in 2024, NASA wants to do things a bit differently. So they've launched the "Lunar Loo Challenge", asking for design ideas for a toilet which will work for male and female astronauts, in space, and on the surface of the Moon. The device would need to work in both microgravity and lunar gravity!



This is a fantastic opportunity to study Space and the forces that act on astronauts. You can find more at: <https://www.nasa.gov/feature/help-nasa-design-a-toilet-for-artemis-astronauts-on-the-moon/> and you may choose to try another project, including make a paper Mars helicopter: <https://www.jpl.nasa.gov/edu/learn/tag/type/project>



Put together your designs, any photographs and/or research for us to take a look at in September!

Science in the news

For all of the latest scientific developments and how science is related to your world, visit The Day using your BHS log-in:

<https://theday.co.uk/categories/science>

Username: blaconhigh

Password: Blacon2020

A Summer of Science

If you fancy brushing up on your Science over the summer, try these weekly videos for Biology, Chemistry and Physics.

The 9 weeks take you all the way through Paper 1 (what you cover in year 9) and start Paper 2 (what you cover in year 10).

<https://www.teachanation.co.uk/>