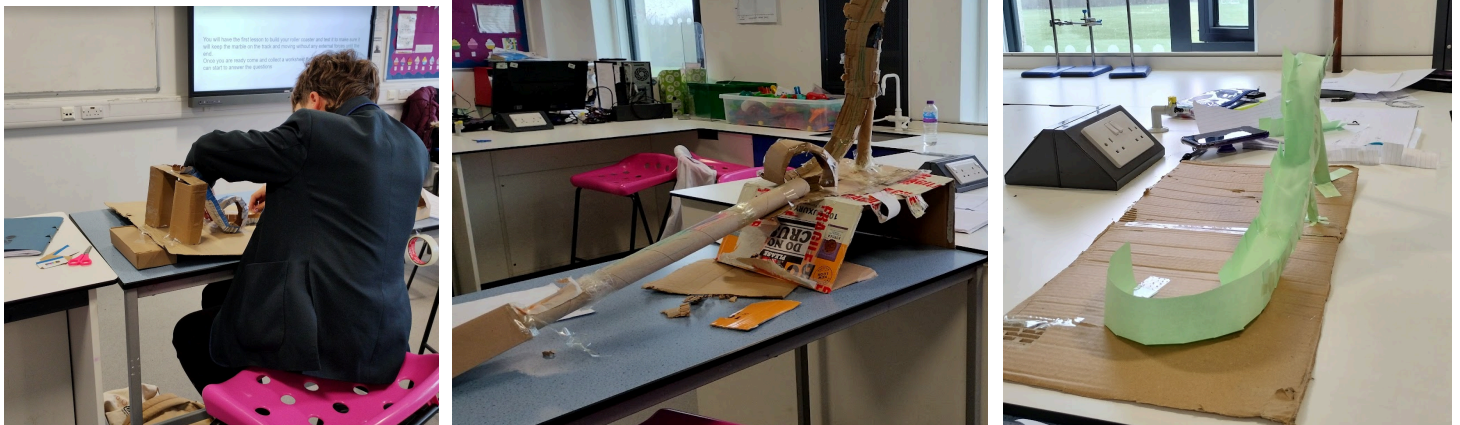




This year, between the 8th and 17th March we celebrate the 30th anniversary of British Science Week. It is an annual ten day celebration of science, technology, engineering and maths to raise awareness and spark enthusiasm.

One of the year 9 classes, pictured below, was given a topic of building roller coasters and testing them to determine how fast the roller coaster would travel on their track and if their design would be able to stay on the track. They then looked at the gravitational energy and kinetic energy the roller coaster would experience at different points.



Next week, to further celebrate this event, years 7-10 will be having a lesson dedicated to this year's British Science week theme, "time".

Time is key to so many discoveries in science, technology, engineering and maths. Evolution looks at how plants and animals changed over a long period of time, the Earth's movements show us why we have seasons and different time zones. In fact, the study of all the celestial bodies in our universe are centred around time; we talk about stars and planets being lightyears away – the distance light travels over a year.

Life Cycles are all about how organisms grow and die during their time on our planet. The average human lifespan is almost 73 years. You could investigate the lifespan of other animals, and how they spend their time.

Scientific innovations are also intertwined with time. The passing of time prompted the invention of ways to mark it, from the sundial, to the pendulum clock to digital clocks – where would be without them? Time is also vital in engineering; complicated machines have moving parts that all need work in time with each other for the machine to work smoothly. Can you think of any?

Perhaps you could consider the issue of food waste by thinking about how passing time impacts different foods. We need to use this knowledge to reduce food waste, perhaps future inventions will help.

To find out more about Science week please visit their website <https://www.britishscienceweek.org/>