



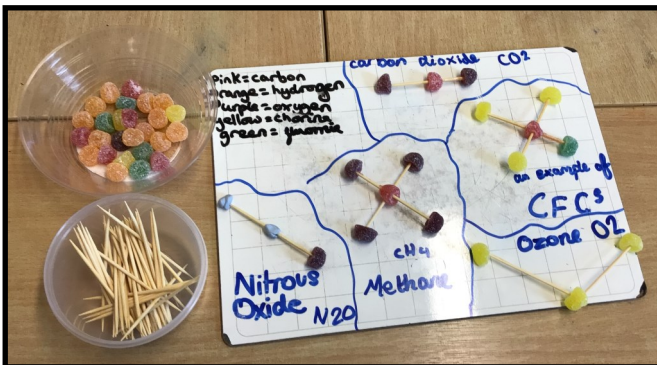
STEM WEEK ROUNDUP!

Somewhat belatedly, we write to provide you with a summary of the array of activities that took place in STEM week. We know that it will have been worth the wait ...

This year, the Lady Boswell's Science Week looked slightly different as we launched STEM Week instead. STEM stands for Science, Technology, Engineering and Mathematics. Due to the increasing concerns around global warming, the COP26 focus, and the many alarming reports in the news regarding pollution and changes to our weather pattern, our focus for STEM Week was Climate Change. Each day our pupils investigated a different aspect of the damaging effects humans are having on the environment and the result of climate change on Earth.

On Monday, we discovered 'Earth and Beyond'. Each class explored the impact of greenhouse gases and how the atmosphere is changing. In Year 4, pupils created a model with a glass jar and cling film to replicate the atmosphere. They compared the temperature inside this jar with a jar which was not covered with cling film. This helped them to understand the damaging effects to the temperature of planet Earth and the greenhouse effect. We were also very lucky to have the planetarium in school, where we all explored what is beyond our planet Earth.

On Tuesday, we explored Global Warming. Each class explored the impact of global warming in a different way. In Year R, the pupils explored the damaging effects of the glacier melting. The Year 2 pupils created the model below to understand how global warming is changing the planet.



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On Wednesday, the whole day was dedicated to problem solving and Maths with every child being given a mission to complete! To reveal the answers, pupils had to complete several tasks which revealed a clue. The tasks required teamwork, maths, co-ordination, and logic.

On Thursday, it was fantastic to see the whole school dressed as different STEM careers. There were some very creative outfits! The focus of this day was pollution and living things. Each class explored the devastating impact climate change is having on living things. Key Stage 1 explored this through a hands-on activity about biological diversity and the threats to cheetahs and extinction. In Year 3, the pupils discovered the implications of plastic pollution and the hazards it causes. They used their hands (as shown below) to replicate a beak and understand how birds starve through plastic pollution.



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In the afternoon, the Science Ambassadors welcomed every year group to the Science Fair. Each class had brought their art projects to display on their stall. It was wonderful to see the efforts and thought everyone had put into creating their own project.

On Friday, we welcomed Investigation Day. Each year group explored a different unit in science through an investigation. Following that, each child also completed a maths investigation. It was fantastic to see the children discuss topics so confidently with one another.

In the afternoon, the whole school went on a virtual trip to see how Nestlé work. The children visited a dairy farm, wind farm and factory. They learnt how the company's locations are set up to work collaboratively in an attempt to improve sustainability practices, such as reducing carbon emissions and preserving local habitats. KS2 were also very lucky to have a visit from Sensational Science. Within this interactive show, the children explored different approaches on 'how to save the planet'.

