St Vigor and St John: STEM Focus Week

(5th-14th March)

(Science, Technology, Engineering, Maths)

Our STEM focus week will take place between **Friday 5th March – Friday 12th March**. Throughout the week, children will have the opportunity to meet (virtually) with scientists from across the UK, as well as completing a range of practical activities in school to celebrate 'Innovating for the Future'.

Who will we be meeting?

AEROSPACE BRISTOL



THALES

- **Monday 8th March**:
  - Mrs Sumbler will be working closely with **EYFS** throughout the week completing a range of hand-on, practical science activities.
  - **KS1 and KS2** will join 'Discover Materials' online to investigate Materials Science and Engineering.

- **Tuesday 9th March**:
  - **Years 3, 4, 5 and 6**: Aerospace Bristol.

- **Wednesday 10th March**:
  - **Year 1, 2 and 3**: Dr Ken Farquhar for a virtual STEM performance.
  - **Years 4, 5 and 6:** "World of Science Under the Microscope" with Dr M. Coleman from Swansea University.

- **Thursday 11th March**:
  - **KS1 and KS2**: Dr Coleman to explore breaking and testing materials.

- **Friday 12th March**:
  - **KS1 and KS2**: 'Discover Materials' - why the recycling of magnets and plastics is so important.
  - **Years 3, 4, 5, 6**: Thales: robotic engineers

5-14 March British Science Week 2021



Key Outcomes:

- *I can perform an investigation that explores innovating for the future* ***#adventurous***
- *I can explain how objects are innovated to promote sustainability* ***#ethical***
- *I can describe the unique features of different innovative inventions* ***#unique***
- *I can participate in discussions with a range of scientists from across the UK* ***#connected***

Reflect…
What would we like to see under a microscope?
KS1/KS2 – Monday 8th

In **Years 4, 5 and 6**, children will construct a list of materials that they would like to see under a microscope. How were these materials developed?
KS1 and KS2 will join "Discover Materials" for a livestream from 1.30pm to investigate biomaterials and to explore how to make them at home.

Discover…
How have aircrafts been innovated over the 20th century?
KS2 – Tues 9th

Children in **KS2** will have a live tour of **Aerospace Bristol**. Children in Years 3 and 4 will discover the technological advances of Concorde whilst children in Year 5 and 6 will discover the innovation in WWI aircraft. Children will also discover sustainable possibilities for future aircraft.

Investigate…
"A World of Science Under a Microscope"; "Innovating for the Future"
KS1/2 – Weds 10th/Thurs 11th

On Wednesday, children in **Years 4, 5 and 6** will join Dr Coleman from **Swansea University** to explore materials that they have chosen under a light microscope. Children in **Year 1, 2 and 3** will join Dr Ken Farquhar for a vitual STEM show and workshop which will explore 'Innovating for the Future'.
KS1 and KS2 will join Dr Coleman once more on Thursday to learn why testing materials to their limits is important to ensure they are suitable for use. Here, he will use an electron microscope!

Connect…
with an engineer.
KS2 – Fri 12th

Children in **KS2** will meet two robotic engineers from **Thales** who will talk about their Science careers as well as giving children an opportunity to ask any questions that they may have as an outcome of their learning this week.

Become…
a scientist!
KS1/2 – Throughout the Week

Throughout the whole week, children in **EYFS, KS1 and KS2** will complete a range of investigations in their classes that have been published by British Science Week to celebrate "Innovating for the Future". EYFS will be working closely with Mrs Sumbler who has a background in Science.

Share…
Our knowledge!
All chn: **Friday 12th**

We will have a sharing assembly on Friday during which each class will share a key part of their learning from the week.

Home Learning Opportunities:

Online Live-Streams:



If you are learning from home, "Discover Materials" are offering several workshops to celebrate British Science Week. Children in school will be attending some of these.

British Science Week: Poster Competition

Why not celebrate your learning by entering a competition?

Get creative and enter the British Science Association's annual poster competition. You can make your poster about whatever version of this year's theme 'Innovating for the Future' that you would like. Here was last year's winner for British Science Week:



Our 2020 poster competition Early Years winner from Boxted St Peters CEVC Primary School

You have until Friday 30th April to submit your poster by using this link: https://www.surveymonkey.com/r/BSW2021postercompetitionform?Upload=%5bUpload_value%5d
Find out more about the competition using this link: https://www.britishscienceweek.org/plan-your-activities/poster-competition/