



Spring Term 2024
Class 4



Enquiry Question: Does it take bravery to invent?



Curriculum – Discover

Welcome to a spectacular Spring term at Summercourt Academy – packed full of inspiring learning opportunities, a new project enquiry question and thought provoking discussions about how inventions have changed our lives. During this project, we will discuss whether these inventions have had a positive or negative effect on our lives. We will also explore the different types of materials that are used when inventing.

Literacy

SPAG: Relative clause, hyphens, semi-colons, colons, dashes, passive and active voice, ellipsis.

Writing units of work:

Plan writing by identifying an appropriate audience, noting and developing initial ideas.

Draft and write by selecting appropriate and challenging grammar and vocabulary.

Evaluate and edit – proofread for spelling and punctuation errors.

- Narrative writing – based on Wallace and Gromit stories.
- Narrative writing – based on a child in a Victorian workhouse
- Instructional writing – instructions on how to create something.
- Poetry writing based on Darren Sardelli's 'Dr. Invention'.

Class Novels:

Wallace and Gromit: Vengeance Most Foul

Maths: Place value, adding and subtracting.

Y5: Number – multiplication and division, fractions, decimals and percentages. Measurement – perimeter and area. Statistics

Y6: Number – ratio, algebra, decimals, fractions, decimals and percentages. Measurement – area, perimeter and volume. Statistics

Launch Day – Invention challenge

In groups, pupils will be given a range of materials. Their aim is to use those materials to create an invention of their choosing. They must be brave and trust themselves to be successful.

Science – Properties and changes of materials

- Compare and group together everyday materials on the basis of their properties.
- Know that some materials will dissolve in liquid to form a solution and describe how to recover a substance from a solution.
- Use knowledge of solids, liquids and gases to describe how mixtures might be separated.
- Demonstrate that dissolving, mixing and changes of state are reversible changes.
- Explain that some changes result in the formation of new materials.

Science - Light

- Recognise that light appears to travel in straight lines.
- Use this idea to explain that objects are seen because they give out or reflect light into the eye.
- Explain that we see things because light travels from light sources to our eyes or to objects then to our eyes.
- Explain why shadows have the same shape as the object that casts them.

Other curriculum areas (ART/DT/RE/ and PE)

- ART/ DT: Shadow puppets and moving toys – design and make moving toys using a variety of materials.
- Computing: Creating a sensor program on a micro:bit.
- History: The Industrial Revolution and its' impact on Britain – continue to develop a chronologically secure knowledge and understanding of British history.
- Geography: Describing the weather and climate in different areas. How can these climates affect the people living there?
- RE: What does it mean for Christians to believe that God is holy and loving? Why is the Torah so important to Jewish people?
- PSHE - JIGSAW: Dreams and goals. Healthy me.
- French: Names of shapes
- Music: Listen and appraise old school hip hop songs, perform a song as a group.
- PE: Invasion games. Health and fitness.

Intended Outcome

An understanding that inventions over time have changed the way we live and the positive and negative impacts this has had on us. We will have discussions surrounding the need for collaboration for these inventions to succeed. This topic hopes to inspire bravery in the class and show children that they are capable of anything that they put their minds to.

Important Diary Dates

- Summercourt R.E. days – Wednesday 22nd January and Wednesday 19th March.
- World book day – Thursday 6th March

This overview shows the intended learning, which may change due to pupil interests.

