

Year 2

Term – Autumn 2

Science

In Science we use investigations to deepen our understanding of science and how the world works. Each half term we have a concluding investigation question that we try to solve based on what we have learnt during the half term. Our question this term is:

How can you use paper to make a strong bridge?

In order to answer this question they will be learning:

- The different properties materials have.
- How to test for the different properties of materials such as strength, rigidity and absorbance
- Why particular materials are used for particular objects.
- How people decide what material to use.

We will also continue our year long topic about seasonal changes.

This term we will be learning about... A Child 100 years ago



The week beginning the 25th November will be Work week. This is a week for the children to learn about and explore careers in a variety of fields. Part of this week is a trip to a sports centre Further details will be shared with you nearer the time.

History

Attached to this newsletter is a copy of our fact organiser for the Year 2 history topic about the Victorians. It shows, in detail, the questions the children will be investigating and learning about. There are links to helpful websites about the topic which you can use to support your child's learning about the topic. There is also a list of the key vocabulary your children should be able to use to explain their thinking.

We hope you find this helpful.

PSHE

This half term, our big idea for RSHE is 'My Learning'. We will:

- Describe what we are good at doing.
- Recognise when we might need help with our learning
- Choose a personal learning goal.
- Plan small steps that will help us to achieve our learning goal.
- Recognise that sometimes things won't always happen the way we want the first time we do them but if we stick with it our learning will improve.

Curriculum Overview

Portway Primary School

English

This half term we will be reading the book, 'I was a Rat' by Philip Pullman. When a small boy turns up on Bob and Joan's doorstep unable to say much except 'I was a rat', the kindly couple adopt him. It seems strange but Bob reads about odder things every day in his newspaper. To them, the sunny little chap is Roger, and he's trying hard to adapt to human life. This is a fantastic book that will allow the children to develop their writing. We will be exploring the text by writing diary entries and stories based on the text.

RE

In RE this half term, the children are learning about the different holy books that belong to different religions. In Year 2 pupils will be taught to:

- Explain why holy books are special
- Explain how people can learn from holy books, why they are important to a believer
- Compare what is important to them with what is important to others

Mathematics

In this term the children will continue learning about addition and subtraction of 2 digit numbers. They will learn a range of strategies to help them calculate equations and will deepen their understanding through reasoning.

Then they will apply these skills in the next unit, money. Children will learn the coins and notes that make up pound sterling, calculate totals and change and solve money problems.

Finally they will begin to learn about multiplication and division. They will explore the concept of groups, repeated addition and will start to learn their 2,5 and 10 times tables.

Computing

This half term children will be learning how to create media through digital photography. They will be exploring how to take photographs whilst thinking about lighting, effects and what makes a photograph great.

You might like to join in with our learning at home by:

Reading

- Read everyday and record this in the reading record - try a range of text types.




Watching





Horrible histories - Vile Victorians clips on youtube
<https://www.youtube.com/watch?v=HVGaumifWkE>

Doing

- **Write a diary from the perspective of Roger from 'I was a Rat', add an entry for each chapter we read.**
- **Research further about Victorian schools. Can you create an accurate drawing of a Victorian classroom?**
- **<https://www.bbc.co.uk/bitesize/topics/zd63xyc/articles/zdp4pg8> - Play karate cats to practise your number skills!**

Year 2- History. Final Enquiry: Whose life was better, a child in 1800 or a child in 1900?

Theme	Learning Goal	Key Questions to be asked	Answers
	The industrial revolution forced people to move, changing how they lived.	What was the industrial revolution? How did housing change due to the industrial revolution? How did industry change the countryside?	The industrial revolution mechanised the manufacture of goods ending rural cottage industries. Cities developed quickly to accommodate factory workers leading to the development of slums. Transport enabled factories to be built in rural locations making workers dependent on the employer.
	The Victorians were the first people to insist on schooling for all children.	Who made the laws in Victorian Britain? Why did the Victorians want children to go to school? How did they make sure children went to school?	By the end of the Victorian era all areas of the country was given representation voted for by men. Schooling was made compulsory to ensure the new electorate could make informed decisions. Ragged schools were developed which gave the children a free meal ensure school attendance.
	The Christian beliefs of Victorians influenced their decisions in all areas of life.	How important was church to the Victorians? How did the bible inform life for Victorians? How did scientists change Victorian beliefs?	There were not enough churches for all the new workers in areas so many new churches were built. Victorians believed the bible told the literal truth and used this to justify their work and life decisions. With new scientific studies late Victorians began to question the bible as literal truth.

Timeline of Key events		Key Person	Reason	Key Vocabulary	
1760	Steam power developed	Queen Victoria	Second longest reigning monarch in British History.	home-made	workhouse
1837	Queen Victoria is coronated	Prince Albert	Husband to Queen Victoria. Staunchly promoted innovation in science, manufacturing and agriculture	industrial	present
1840	Queen Victoria marries	Charles Darwin	English naturalist, geologist, and biologist, widely known for contributing to the understanding of evolution.	steam power	prefer
1850	Height of canal age	Cadbury brothers	Founders of Cadbury's chocolate, credited with improving conditions for factory workers, reducing the work week and providing high quality housing.	electric	explain
1851	The Great exhibition	Thomas Barnardo	Founder of Barnardo's charity who developed Ragged schools.	poor	improvement
1859	Darwin published origin of species.			charity	organise
1863	1st underground built in London			strict	
1870	School compulsory for all children aged 5-10.			harsh	
1876	Phone invented	Picture		Victorian	
1884	Voting laws ensure all areas of the country are represented in parliament.			vote	
1891	Schools made free for all.	Maps			
1901	Queen Victoria dies				

Useful websites
http://www.vam.ac.uk/content/articles/s/study-room-resource-the-great-exhibition/
https://www.bbc.co.uk/history/british/victorians/
https://www.theschoolrun.com/homework-help/life-victorian-era
https://www.historybombs.com/2022/08/how-did-britain-change-under-queen-victoria/?mc_cid=2029bed0bc8mc_eid=2ea6fa4441
https://canalrivertrust.org.uk/enjoy-the-waterways/canal-history/history-features-and-articles/the-first-canal-age-canal-history

Historical skills (Disciplinary Knowledge)
Chronology
Select and order key events of a significant person's life.
Recall a key international event / age.
Order photographs of a place over time.
Explain my choices for my timeline using my observations of photographic evidence.
Match artefacts from the past with their modern equivalents.
Write the key facts of a major historical event / age in chronological order.