

Work to be covered in the Spring Term by Year 4.

This information has been provided so that you are fully aware of the work your child will cover over the term.

We hope it will also enable you to support your child at home in their studies.

If there is anything contained within this leaflet that you don't understand, please contact your child's class teacher.

Maths:

Number – Multiplication and Division

Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.

Recognise and use factor pairs and commutativity in mental calculations.

Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.

Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.

Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.

Measure- Area

Find the area of rectilinear shapes by counting square.

Estimate, compare and calculate different measures, including money in pounds and pence.

Fractions

Recognise and show, using diagrams, families of common equivalent fractions.

Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.

Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.

Add and subtract fractions with the same denominator.

Decimals

Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. Recognise and write decimal equivalents of any number of tenths or hundredths.

Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.

Solve simple measure and money problems involving fractions and decimals to two decimal places.

English:

- Read and analyse poems.
- Recognise features of recounts and create a newspaper report.
- Study a picture book in detail.
- Improve comprehension skills through guided reading daily.
- Weekly handwriting practice, trying to develop a neat cursive style.
- Weekly spelling practice: learning different rules and trying to apply these rules when tackling difficult spellings.
- Develop grammar and writing skills weekly, working towards own personal targets.

PE: Outdoor: Tag Rugby

Children will learn the skills players need to play both defensively and offensively as a tag rugby player. The children will learn how to catch and throw while both stationary and on the move. They will develop their skills of tagging and sidestepping as well as making tactical decisions about when to make passes and tags. They will also learn the skill of intercepting, following the offside rule. Children will have the opportunity to play a mini-tournament to put their newly developed skills into practice.

PE: Swimming

Through weekly swimming lessons children will work towards the objectives of the National Curriculum:

- Improve control and co-ordination of their bodies in water
- Choose and use skills for different swimming tasks
- Perform safe self-rescue in different water-based situations

RE

- How and why do believers show their commitments during the journey of life?
- Easter production
- What is the purpose and value of a sacred space?

Science:

1. Are These Your Teeth? (Animals including humans)

Excuse me, are these your teeth? Who did this poo? Am I a predator?....The children will find the answers to these and other peculiar questions about digestion and food chains.

- Learn about the first stage of the digestive system.
- Describe the simple functions of the basic parts of the digestive system in humans.
- Identify the different types of teeth in humans and their simple functions
- Construct and interpret a variety of food chains, identifying producers, predators and prey.

2. States of Matter Scientists

Children will become experts in States of Matter! They will develop and showcase an understanding of all areas of states of matter, including how materials can change from one state to another, through a large range of simple practical enquiries. They will take on the challenge to demonstrate their knowledge to visitors of a Science Fair.

- Classify solids, liquids and gases.
- Look at how we measure temperature and how temperature varies during the day and across the world.
- Look at how water can be a solid, liquid and gas.
- Look at materials that change when they are heated and cooled.
- Understand where puddles on the playground disappear to.
- Learn why windows sometimes steam up.

Humanities: History

What did the Vikings want and how did Alfred help to stop them getting it?

Describe the reasons for the attack on the Holy Island of Lindisfarne in 793 by people referred to today as 'the Vikings';

Describe why 'Vikings' is not, in fact, the correct name for these people and **explain** who the attackers really were;

Empathise with the likely feelings of the people of the Kingdom of Northumbria and the **judgments** they might have made as news of the attack spread;

Identify and describe the design features of a longship and **explain** why it was an ideal vessel for Viking raiding parties along the coast of Britain;

Interpret a range of source evidence to **explain** why most Viking Norsemen travelled to Britain in Anglo-Saxon times and **justify their judgment**;

Identify and describe the distribution of those areas of Britain settled by Viking Norsemen;

Compare and contrast the homes of Viking Norsemen with those of Anglo-Saxons and **suggest reasons** for the similarities and differences **observed**;

Humanities: Geography

How and why is my local area changing?

Identify, describe and give **reasons** for why environments change; **Explain** with examples how some environmental change may be the result of natural events whilst other change may be the result of deliberate human activity to improve the quality of life;

Observe, record and **explain** changes that have occurred in the past to the school and its grounds and its immediate environment;

Identify, describe and **explain** how an aspect of life in the local area has changed over a long period of time, or how the locality has been affected by a significant national or local event or development, or the work of a significant individual;

Demonstrate **understanding** of how the quality of the environment may change within the local area and make **judgements to explain observations**;

Recognise how remote sensing by satellites and satellite images inform geographers of environmental change on a global scale and **identify** and **explain** specific examples of change from NASA images of locations around the world;

Describe and **explain** the impact of environmental change in one threatened region of the world.

French: What's today's date?

- Days of the week
- Say today's date

Computing: HTML Interface Design

HTML is the language used to create files which can be read by internet browsers to display web pages on the internet. In this series of lessons the children will take steps to build a basic web page using tags and elements to change the design and the colour of the web page. The theme of the web page will be to review a film or a book that the children have read or watched.

Computing: We are Musicians

Children will:

- Use programs to edit music
- Create and develop a musical composition to support English and topic
- Develop collaboration skills
- Develop an awareness of how composition can enhance work in other media
- E-Safety – illegal downloading and file sharing of copywrited music, as well as more positive ideas, such as collaboration, remixing and creative commons licenses
- Learning at staying safe on the Internet

They will also learn about staying safe on the Internet.

PSCHE: Difference and diversity

- Recognise your own worth and that of others
- Respect differences between people
- Express views confidently
- Listen to and show respect for the views of others
- Describe some of the different beliefs and values in society

Staying healthy – I don't like vegetables so why should I eat them?

- Recognise the importance of a balance diet
- Identify healthy choices
- Recognise the importance of being physically active to keep healthy

Art:

Claude Monet

- Investigate the artwork of Claude Monet
- learn about the ideas of Impressionism
- engage in watercolour work in response to Monet's paintings of water lilies

Georgia O'Keeffe

- learn about the artist Georgia O'Keeffe and to draw a close up of a flower from first hand observation in pencil
- learn how to make colours lighter and darker using black and white paint (tints of a colour) and how to use the tints to represent shades of light on images
- develop an abstract painting using shading

DT: Healthy Sandwiches

- Evaluate a range of bought sandwiches
- Design a sandwich for a specific purpose
- Make a sandwich for a specific purpose
- Evaluate the process and end product

Music: Our Community

The children will compose and perform music inspired by our local community, both past and present.

- Understanding metre through singing and playing instruments
- Learn to sing a song from our heritage
- Write lyrics
- Share and perform lyrics

