

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 non-chronological 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: RealPE

Cognitive Learning Focus:

- Begin to order instructions, movements and skills.
- Recognise similarities and differences in performance.
- Explain what I am doing well and I have begun to identify areas for improvement
- Use my awareness of space and others to make good decisions.

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:

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.

Sound

- Identify how sounds are made, associating some of them with something vibrating
- Recognise that vibrations from a sound travel through a medium to the ear.
- Find patterns between the pitch of a sound and features of the object that produced it
- Find patterns between the volume of a sound and the strength of the vibrations that produced it.
- Recognise that sounds get fainter as the distance from the sound source increases.

Humanities: History

Who were the Anglo-Saxons and how do we know what was important to them?

During the course of the topic we will consider the following Key Questions:

1. Why did the Romans leave Britain?
2. Who were the Anglo-Saxons and why didn't they choose to live in the towns the Romans left behind?
3. How did the lives of Anglo-Saxons change after Ethelbert met Augustine?
4. How did converting to Christianity change the lives of people in Britain?
5. What does Sutton Hoo tell us about the Anglo-Saxon world?

Humanities: Geography

How can we live more sustainably?

During the course of the topic we will consider the following Key Questions:

1. What does being sustainable actually mean?
2. How can we help to make our school more sustainable?
3. Why are we seeing more wind and solar farms in the countryside?
4. How is sustainable development helping the lapwing out of the red?
5. How are solar cookers helping Sunita and her family to live more sustainably?

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.

Hurray for Hollywood

From this project, children will learn about the key factors in producing good footage. The children will create their own soundtrack and film to promote their local area. The children will then import their soundtrack and photos/footage into iMovie where they will edit and enhance their footage before sharing their movie with the rest of the class.

Music:

- Listen and appraise the songs Mamma Mia and Stop!
- Learn and/or build on knowledge and understanding about the interrelated dimensions of music.
- Perform and share learning.

PSHE:

Being Healthy

- Explore what affects physical, mental and emotional health.
- Understand the concept and benefits of a balanced healthy lifestyle.
- Identify how to make informed choices.
- Understand what is included in a balanced diet.
- Understanding what may influence our choices.

Being Safe

- Understand how to make informed choices.
- Explore how to recognise, predict and assess risks in different situations.
- Understand that increased independence brings increased responsibility to keep themselves safe.
- Understand how rules can keep them safe.
- Identify where and how to get help.
- Develop strategies for keeping physically and emotionally safe in different situations.
- Understand the importance of protecting information particularly online.
- Understand how to become digitally responsible.

Art:

Model making using Clay

- Drawing – explore tone using different grades of pastel and chalk.
- Use a variety of tools and materials to create 3d art.
- Shape and model from observation.

DT:

Saxon Purses

- Design a product using textiles for a specific purpose
- Sew using a range of different stitches.
- Make a product following specifications and a design.
- Evaluate our own and others' work.

