

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.

Numeracy:

- Count from 0 in multiples of 6, 7, 9, 25 and 1000; find 1, 10, 100 or 1000 more or less than a given number.
- Add and subtract numbers mentally, including: a four-digit number and ones, a four-digit number and tens, a four-digit number and hundreds, four digit number and thousands.
- Recall & use \times and \div facts up to 12×12 .
- Write and calculate statements for \times and \div using all tables, including for $TU \times U$ using mental and progressing to formal written methods
- Counting backwards through zero to include negative numbers
- Count up and down in tenths and hundredths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10. Recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10.
- Add and subtract amounts of money to give change, using both \pounds and p in practical contexts
- Tell and write the time from an analogue and digital clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks
- Read Roman numerals to 100 (I to C)
- Know the number of seconds in a minute and the number of days in each month, year and leap year
- Compare durations of events, [for example to calculate the time taken by particular events or tasks.

Spring 1

- Count in multiples of 6, 7, 9, 25, 1000.
- Recognise the place value of each digit in a 4-digit number (THTU, HTU, TU and U)
- Find a 1000 more or less than a given number.
- Solve number and practical problems that involve all of the above and with increasingly large positive numbers.
- Consolidation of formal written methods, focussing on subtraction.
- Estimate and use inverse operations to check answers to a calculation.
- Solve + and - two step problems in context, deciding which operations and methods to use and why.
- Recall multiplication and division facts up to 12×12
- Solve problems involving multiplying and adding, including
- Compare numbers with the same number of decimal places up to two decimal places.

- Using the distributive law to multiply 2-digit numbers by 1-digit numbers, integer scaling problems and harder correspondence problems such as m objects are connected to objects.
- 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.
- Round decimals with one decimal place to the nearest whole number.
- Read, write and convert time between analogue and digital 12 and 24 - hour clocks.
- Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

Spring 2

- Revision of time with Roman Numerals
- Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.
- Recall multiplication and division facts up to 12×12
- Solve problems involving multiplying and adding, including using the distributive law to multiply 2-digit numbers by 1-digit numbers, integer scaling problems and harder correspondence problems such as m objects are connected to n objects.
- To convert between different units of measure for mass.
- Estimate, compare and calculate different measures for mass.
- Solve problems involving mass.
- Describe positions on a 2D grid as coordinates in the first quadrant.
- Describe movements between positions as translations of a given unit to the left/ right and up/down.
- Plot specified points and draw sides to complete a given polygon.
- Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.

Literacy:

- Studying stories set in historical settings.
- Reading and analysing reports and articles from newspapers and magazines.
- Learn how to use explanation texts and books.
- Poetry, exploring different forms of poems.
- Improving 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.
- Developing grammar and writing skills weekly, working towards own personal targets.

Topic: Were the Vikings always victorious and Vicious?

- Discover when the Vikings began to invade Britain and begin to understand how we know about the Vikings.
- Discover where the Vikings invaded from and where they settled.
- Look at what made the Viking invasion successful.
- Understand what life was like for an 11 year old Viking boy/ girl.
- Learn how the Vikings lived when they came to Britain and make comparisons between the Viking home and our own homes.
- Investigate what the Vikings ate.
- Understand how the design and build of the Viking long ship helped with successful invasions.

Science: How could we cope without electricity for one day?

- Look at why we have become so dependent on electricity.
- Create an electrical circuit that has a switch or a buzzer.
- Know what conductors and insulators are.
- Learn how electricity is generated and understand what we mean by alternative sources.

Science: How would we survive without water?

- 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.

DT/ Art:

- Create a Viking long boat from a range of materials.
- Design and make a Viking helmet.

French: Do you have a pet?

- Know the names of different animals in French
- Answer questions about pets in French
- Describing different animals in French

Brothers and sisters

- Talk about your family in French
- Ask if you have any brothers and sisters in French
- Describe your family in French

Music: The Tudors

- Learn about the different places and ways the Tudors made music
- Learn about Tudor Dance Music
- Learn how a Pavan was a popular Tudor Dance and about its musical features including its characteristic ostinato rhythm and repeated sections

RE

- Symbols and religious expression: what is the purpose and value of sacred space?
- Symbols and religious beliefs: How do people express their faith through the arts?

PE: Swimming

- Improve control and co-ordination of their bodies in water
- Choose and use skills for different swimming tasks

PE: Indoor: Dance - Electricity

- Working in small groups to develop movement
- Composed, using a range of new devices
- Interpret and comment upon other's work

PE: Outdoor: Striking/ Fielding games

- Develop skills in striking and fielding games
- Choose and use a range of simple tactics and strategies
- Keep, adapt and make rules for striking and fielding games
- Recognise good performance and identify the parts of a performance that need improving

Computing: We are software developers

- Develop an educational game using selection and repetition
- Understand and use variables
- Start to debug computer programs
- E-Safety - respecting and license condition when using sound effects and images from the internet
- Learning how to stay safe on the Internet

We are co-authors

- Understand the conventions for collaborative online work, particularly wikis
- Become familiar with Wikipedia, including potential problems associated with its use
- Write for a target audience using a wiki tool

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

Money Matters

- Talk about a range of jobs, and explain how they will develop skills to work in the future
- Demonstrate how to look after and save money

Safeguarding - Curriculum Links

- Whole School Online Safety Theatre Production (community safety partnership)
- Difference and Diversity to include links to Honour Based Violence

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