

Year 6 New Curriculum

ENGLISH:

- A range of poetic forms
- Develop narrative writing
- To be familiar with different authors
- Recognise complex sentences
- Discussion texts
- Non-chronological reports
- To develop sentence work
- To contribute constructively to shared discussion
- Develop skills of formal writing
- To work with connectives
- To identify misspellings
- To improve planning of narrative text
- To edit writing

SCIENCE Electricity

- To use recognized symbols when representing a circuit
- To draw simple and series circuits.
- Identify the effect on a circuit by changing a component at a time.
- Compare and give reasons for variations in how components function.
- To test the strength of the component using voltage or cells

SCIENCE Evolution and Inheritance

- To recognize that living things have changed over time.
- To use fossils to provide information about living things that inhabited the earth millions of years ago.
- To recognize and research that living things produce offspring of the same kind but normally offspring vary and are not identical to their parents.
- To identify how animals and plants adapt to certain environments.
- To identify that adaptation may lead to evolution.

RE

- **Sources** which looks at variety of books, why they were written and the Bible as a story of God's love
- **Unity** - what nourished and spoils friendship and unity and how the Eucharist helps us grow in communion as a Christian family.
- **Death and new life** which looks at loss and death bringing about change for people and how the suffering, death and resurrection of Jesus led to new life.

ICT We Are Meteorologists

- looking weather, recording daily findings
- presenting/recording a weather report using the iPads.
- SATs revision sessions

Useful websites for revision:

www.bbc.co.uk/revision
www.educationcity.com
www.cgpbooks.com
www.samlearning.com

DT

- Children will make a Paper Mache volcano related to their creative curriculum and science

ART

- Observational Drawing including shading and scale accuracy also monochrome pictures
- Children will experiment with various materials and evaluate each others and other artist's works

FRENCH Ma Journee

- Ask and talk about daily routine
- Talk about times of daily routine
- Ask and talk about breakfast
- Talk about details of a typical day

FRENCH Les Transport

- Talk about forms of transport
- Talk about where you're going and how you get there
- Talk about plans for a trip
- Buy tickets at the station

LENT TERM

GEOGRAPHY

- To develop geographical skills using appropriate vocabulary.
- To know the location of places/environments throughout the world
- Understand Latitude/longitude and time zones.
- To understand how a volcano works
- To know where Volcanoes form and why
- To establish how volcanoes effect the environment and people living near them.
- Focus on plate tectonics, fault-lines and how they create volcanoes and earthquakes



MATHS

Counting, partitioning and calculating

- Explain reasoning and conclusions, using words, symbols or diagrams as appropriate
- Use decimal notation for tenths, hundredths and thousandths; partition, round and order decimals with up to three places, and position them on the number line
- Calculate mentally with integers and decimals: $U.t \pm U.t$, $TU \times U$, $TU \div U$, $U.t \times U$, $U.t \div U$
- Use a calculator to solve problems involving multi-step calculations
- Use approximations, inverse operations and tests of divisibility to estimate and check results
- Solve multi-step problems, and problems involving fractions, decimals and percentages; choose and use appropriate calculation strategies at each stage, including calculator use
- Use knowledge of place value and multiplication facts to 10×10 to derive related multiplication and division facts involving decimals (e.g. 0.8×7 , $4.8 \div 6$)
- Use efficient written methods to add and subtract integers and decimals, to multiply and divide integers and decimals by a one-digit integer, and to multiply two-digit and three-digit integers by a two-digit integer

Securing number facts, understanding shape

- Represent and interpret sequences, patterns and relationships involving numbers and shapes; suggest and test hypotheses; construct and use simple expressions and formulae in words then symbols (e.g. the cost of c pens at 15 pence each is $15c$ pence)
- Use knowledge of multiplication facts to derive quickly squares of numbers to 12×12 and the corresponding squares of multiples of 10
- Use knowledge of place value and multiplication facts to 10×10 to derive related multiplication and division facts involving decimals (e.g. 0.8×7 , $4.8 \div 6$)
- Recognise that prime numbers have only two factors and identify prime numbers less than 100; find the prime factors of two-digit numbers
- Use approximations, inverse operations and tests of divisibility to estimate and check results
- Describe, identify and visualise parallel and perpendicular edges or faces; use these properties to classify 2-D shapes and 3-D solids
- Make and draw shapes with increasing accuracy and apply knowledge of their properties
- Tabulate systematically the information in a problem or puzzle; identify and record the steps or calculations needed to solve it, using symbols where appropriate; interpret solutions in the original context and check their accuracy
- Use a calculator to solve problems involving multi-step calculations

Handling data and measures

- Solve problems by collecting, selecting, processing, presenting and interpreting data, using ICT where appropriate; draw conclusions and identify further questions to ask
- Construct and interpret frequency tables, bar charts with grouped discrete data, and line graphs; interpret pie charts
- Describe and interpret results and solutions to problems using the mode, range, median and mean
- Select and use standard metric units of measure and convert between units using decimals to two places (e.g. change 2.75 litres to 2750 ml, or vice versa)

Handling data and measures (continued)

- Read and interpret scales on a range of measuring instruments, recognising that the measurement made is approximate and recording results to a required degree of accuracy; compare readings on different scales, for example when using different instruments
- Describe and predict outcomes from data using the language of chance or likelihood

Calculating, measuring and understanding shape

- Solve multi-step problems, and problems involving fractions, decimals and percentages; choose and use appropriate calculation strategies at each stage, including calculator use
- Calculate mentally with integers and decimals: $U.t \pm U.t$, $TU \times U$, $TU \div U$, $U.t \times U$, $U.t \div U$
- Use efficient written methods to add and subtract integers and decimals, to multiply and divide integers and decimals by a one-digit integer, and to multiply two-digit and three-digit integers by a two-digit integer
- Use approximations, inverse operations and tests of divisibility to estimate and check results
- Select and use standard metric units of measure and convert between units using decimals to two places (e.g. change 2.75 litres to 2750 ml, or vice versa)
- Estimate angles, and use a protractor to measure and draw them, on their own and in shapes; calculate angles in a triangle or around a point
- Use coordinates in the first quadrant to draw, locate and complete shapes that meet given properties
- Visualise and draw on grids of different types where a shape will be after reflection, after translations, or after rotation through 90° or 180° about its centre or one of its vertices

Securing number facts, calculations and relationships

- Tabulate systematically the information in a problem or puzzle; identify and record the steps or calculations needed to solve it, using symbols where appropriate; interpret solutions in the original context and check their accuracy
- Express a larger whole number as a fraction of a smaller one (e.g. recognise that 8 slices of a 5-slice pizza represents $\frac{8}{5}$ or $1\frac{3}{5}$ pizzas); simplify fractions by cancelling common factors; order a set of fractions by converting them to fractions with a common denominator
- Relate fractions to multiplication and division (e.g. $6 \div 2 = \frac{1}{2} \times 6 = 6 \times \frac{1}{2}$); express a quotient as a fraction or decimal (e.g. $67 \div 5 = 13.4$ or $13\frac{2}{5}$); find fractions and percentages of whole-number quantities (e.g. $\frac{5}{8}$ of 96, 65% of £260)
- Solve simple problems involving direct proportion by scaling quantities up or down
- Explain reasoning and conclusions, using words, symbols or diagrams as appropriate
- Express one quantity as a percentage of another (e.g. express £400 as a percentage of £1000); find equivalent percentages, decimals and fractions