

English

Reading	Writing	Spelling, Punctuation and Grammar
Reading and discussing a broad range of texts; Identifying and discussing themes; Draw inferences and make predictions; Discuss the author's use of language; Make recommendations to others.	Legible, fluent handwriting; Plan writing to suit audience and purpose; Develop character, setting and atmosphere in narrative; Use organizational and presentational features; Use consistent, appropriate tense.	Accuracy with apostrophes, including with plural possessives; Developing accuracy with speech punctuation; Accurate use of the comma – clauses; Increasing accuracy with most homophone spellings.

History

Transition Module

Changes in Victorian childhood - Pupils look at a time period within recent History to enable them to develop historical skills of chronological understanding, using sources, key words/historical knowledge and historical writing.

Celts and tribal Britain - Pupils look at the early origins of the UK and look in depth at Celts. They will look at the social, cultural and political history. It will enable them to use their historical skills in a time period further from the past. They will follow History chronologically from this point throughout Churnet View.

Anglo-Saxons - Pupils will look at the changing UK and study the key features of Anglo Saxon Britain. Once more, they will look at the social, cultural and political history of the UK at this time.

Science

Biology	Chemistry	Physics	Investigation Skills
Animal - <i>life cycles, puberty, gestation, keys and classification</i> Plants – <i>parts of the plant and function, germination, seed dispersal, pollination and fertilisation</i>	Material world – <i>materials, conductors and insulators and rocks</i>	Out of this World – <i>Earth and Space</i> Let's Get Moving – <i>Force and magnets</i>	Continuous opportunities provided for pupils to increase their planning, analysing and concluding skills. Pupils will also be taught how to carry out a practical safely and accurately.

Art

Understanding primary and secondary colours;

Tints and shades – how do we create these?

Media exploration: Pencil total shading, cross hatching and other filling techniques;

Water soluble crayons verses crayons;

Tudor houses and their features;

Famous artists;

Pin wheels;

Insect collages;

Wire insects and wire bugs.

Design & Technology

Food and Textiles	Resistant Materials	Graphics
<p>Food Technology: A basic introduction to food technology is given to students with them carrying out a variety of practical tasks to demonstrate their ability of keeping safe in the food room. Quick snacks will be made like sandwiches, fruit salads and toasted snacks.</p> <p>Textiles: Students will explore surface decoration skills and design and make a pencil case for a specific person.</p>	<p>Health and Safety Design and make a key fob. Using gears. Making strong structures.</p>	<p>Pupils are to design and make a rocket, which lights up using a vacuum former to shape the rocket. They will be designing their own ideas and producing the one that they want. We will be covering the following skills:-</p> <ul style="list-style-type: none"> *Lettering skills *Drawing board skills *Soldering skills *Designing and making skills *Safety skills

Geography

Name and locate counties, cities and regions of the U.K.;

Map skills;

Use 4 and 6 figure grid references;

Understand latitude, longitude, equator, hemispheres, tropics, polar circles and time zones;

Europe;

Study a region of Europe and of the Americas;

Rivers.

Computer Science

E-safety - online friends and public profiles/how we communicate/keeping personal info private/password safety/bullying.

Code - selection, sequencing, iteration, debugging, pattern recognition and decomposition to problem solve/shapes, measures and drawing/algorithms/visual coding with Code.org.

Digital Literacy - using Microsoft Word, Power Point, Excel for specific target audiences. Using online portfolio in OneNote to document work and collaborate with others.

How it works - introduction to networks, the Internet and the World Wide Web.

Languages

Greetings – Including introductions and numbers;

French Phonics – Including the alphabet and French phoneme sounds;

Celebrations – Including activities, days of the week, months of the year, celebrations and events in France;

Portraits – Including colours, parts of the body and personality traits;

L'histoires – Including French stories, family (family trees), pets and children creating their own stories;

On y Va! – Including countries of the world, nationalities, transport, towns and weather.

RESPECT

British Values;

Health and Safety;

Friendship;

Bullying;

Role Models;

Aspirations;

Different religions and cultures.

PE

During the year, children will take part in the following activities:

Ball Skills;

Multi-Skills;

Hockey;

Gymnastics;

Orienteering;

Dance;

Tag Rugby;

Handball;

Athletics;

Tennis;

Cricket;

Rounders

Music

Autumn 1:

Elements of music- pupils learn about the different musical elements: duration; pitch; rhythm; timbre; tempo; texture and silence.

Autumn 2:

Musical futures singing- pupils pick a school appropriate song and form their own bands and run their own rehearsals working towards performances for the Christmas concert.

Spring 1:

Chinese Music- To coincide with the Chinese new year pupils learn about the different Chinese instruments, Chinese Music, traditions and the pentatonic scale.

Spring 2:

Instruments of the Orchestra- Focusing on Benjamin Britten's Young Persons Guide to the Orchestra and Beethoven's Ode to Joy pupils learn about the four musical families of the orchestra and the instruments within them.

Summer 1:

Garage Band- Pupils write their own songs using the music software Garage band.

Summer 2:

Ukuleles- Pupils learn how to hold, read chord diagrams and play a number of popular songs on the Ukuleles.

Useful Websites:

www.mymaths.co.uk

<http://www.bbc.co.uk/education>

<http://www.crickweb.co.uk/Key-Stage-2.html>

<http://resources.woodlands-junior.kent.sch.uk/homework/>

<https://www.thinkuknow.co.uk>

Year 5 Mathematics Curriculum overview

Year 5 pupils will complete the following topics in mathematics lessons: Number & Place Value, Addition & Subtraction, Multiplication & Division, Fractions, Decimals & Percentages, Measurement, Properties of Shapes, Position & Direction and Statistics.

During the **Number & Place Value** topic pupils will learn to:

- read, write, order and compare numbers to at least 1, 000, 000 and count on/back in steps of powers of ten
- interpret negative numbers in any context, counting forward and backward through zero
- read Roman numerals to 1000 (M) and recognise years written in Roman numerals
- round any number to 1,000,000 to a given level of accuracy
- solve number/practical problems involving all of the above.

In the **Addition & Subtraction** topic pupils will learn to:

- add and subtract numbers with more than 4 digits, including using formal written columnar methods
- mentally add and subtract increasingly large numbers
- to use rounding to check answers and determine levels of accuracy
- solving problems in context by deciding which operation and method to use and why.

Whilst studying the **Multiplication & Division** topic pupils will learn to:

- identify multiples and factors, including finding factor pairs and common factors;
- know and use the vocabulary of prime numbers, prime factors and be able to recall prime numbers up to 19.
- recognise and use square numbers and cube numbers
- multiply numbers up to 4 digits by a one or two digit number *using a formal written columnar method, including long multiplication for two-digit numbers.*
- divide numbers up to 4 digits by a one-digit number *using the formal written method of short and long division.*
- multiply and divide whole numbers and decimals by 10, 100 and 1,000
- solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.

The **Fractions, Decimals & Percentages** topic will provide opportunities for pupils to:

- compare and order fractions
- identify, name and write equivalent fractions
- recognise mixed numbers and improper fractions and convert from one form to the other
- add and subtract fractions
- multiply proper fractions and mixed numbers by whole numbers
- read and write decimal numbers as fractions
- round decimals with 2 decimal places to the nearest whole number and to 1 decimal place
- read, write, order and compare numbers with up to 3 decimal places
- recognise the per cent symbol (%) and understand that per cent relates to “number of parts per 100”
- identify simple fraction, decimal, percentage equivalents, including $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and fractions with a denominator of a multiple of 10 or 25.

During the topic on **Measurement** pupils will learn to:

- convert between different units of metric measure
- know approximate equivalences between metric units and common imperial units such as inches, pounds and pints
- measure and calculate the perimeter of shapes made from rectangles
- calculate and compare the area of rectangles in cm^2 and m^2

- estimate the area of irregular shapes
- estimate volume and capacity
- solve problems involving converting between units of time

Whilst studying **Properties of Shape** pupils will learn to:

- identify 3-D shapes, including cubes and other cuboids, from 2-D representations
- know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles
- draw given angles, and measure them in degrees ($^{\circ}$)
- identify angles at a point, angles at a point on a straight line and multiples of 90°
- use the properties of rectangles to deduce related facts and find missing lengths and angles
- distinguish between regular and irregular polygons based on reasoning about equal sides and angles.

In the **Position & Direction** topic pupils will be taught to:

- identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.

The **Statistics** topic will provide opportunities for pupils to:

- solve problems using information presented in a line graph
- read, compare and interpret information in tables, including timetables.