



## Year 5 Curriculum Autumn Term 2019

I hope that your child has settled well into their new class, and is enjoying the start of the new school year. We thought you would find it useful to have a clear idea about the skills and vocabulary your child will be learning this term. The information below is, of course, only a starting point, and they will learn much more than we have written down!

### Key Learning: English and maths

Reading	Writing	Maths
Increase children's familiarity with a range of books including myths, legends, traditional stories, modern fiction and books from other countries and traditions	Use noun phrases to convey complicated information concisely	Add and subtract numbers with up to 4 digits using written and mental methods
Make simple summaries of the main ideas from more than one paragraph, identifying key details that support the main ideas	Select appropriate grammar and vocabulary	Solve addition and subtraction multi-step problems
Begin to discuss books read to them and by them and challenging other's views courteously	Identify the audience for and the purpose of writing, and use the appropriate form as models for their own writing	Solve problems using information presented in line graphs
Begin to provide reasoned justifications for their views	Use commas for cohesion	Measure and compare the area and perimeter of shapes
	Reflect on how authors have developed characters and settings	Read, write and order numbers up to 1,000,000
		Multiply and divide numbers by 10, 100 and 1000
		Know and use the vocabulary of prime numbers, prime factors and composite numbers. Recall the prime numbers up to 19

### Spellings

Accommodate, accompany, according, achieve, aggressive, amateur, ancient, apparent, appreciate, attached, available, average, awkward, bargain, bruise, category, cemetery, committee, communicate, community, competition, conscience, conscious, controversy, convenience, correspond, criticise, curiosity, definite, desperate, determined, develop, disastrous, embarrass, environment, equipment, especially, exaggerate, excellent, existence, explanation, familiar, foreign, forty, frequently, government, guarantee, harass, hindrance
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**Online Safety** The children will review our Acceptable User Agreement and follow the ThinkUKnow 'Positive and Negative Attention' programme



## Autumn Term Key Vocabulary and Skills

This is a brief overview of some of the vocabulary the children will learn this term. It is the minimum we expect all of the children to know and understand well by Christmas.

### Art

#### Drawing

Vocabulary	Skills
<b>Frame</b> – supporting structure <b>Body</b> - parts of a shape or person <b>Figure</b> – representation of a person <b>Fluid</b> – suggests movement <b>Texture</b> - The surface quality of materials, either actual (tactile) or implied (visual). It is one of the elements of art.	Use sketchbooks to record observations and use them to review and revisit Use dry media to make marks and create different effects including the use of line, patterns, textures and shapes Learn about a great designer.

### Computing

'We Are Web Developers'. Children collaborate to create a web page using Google Sites

Vocabulary	Skills
<b>Network</b> - Computers linked within a building or area. <b>web page</b> - a set of data or information which is designed to be viewed as part of a website. <b>Hyperlink</b> – a link to another document, shown in words with a line under them. <b>search engine</b> – a program that searches for documents containing certain words <b>rank order</b> – a statistic that orders data	Understand computer networks including the internet; how they can provide multiple services such as the world wide web; and the opportunities they provide for communication and collaboration  Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programmes, systems and content that accomplish given goals, including analysing, evaluating and presenting data and information

### Design Technology

#### Mechanical systems

Vocabulary	Skills
<b>Gear</b> - change the rate at which a machine or vehicle moves <b>Pulley</b> - a wheel over a rope or chain which is pulled to lift heavy objects <b>Cam</b> – a slider or roller attached to a rotating shaft <b>Linkage</b> - a connection between two things <b>Technique</b> – a method of doing an activity	Make a cam to produce the desired movement Measure, mark out, cut and join accurately Evaluate their product against the original design specification



## Human and Physical Geography

Types of settlement and land use, linked to 'Britain's Settlement by the Anglo Saxons'

Vocabulary	Skills
<b>Land use</b> – the function of the land <b>Minerals</b> – a substance formed naturally in rocks and in the earth	Types of settlement and land use and economic activity including trade links

**History** Britain's settlement by Anglo-Saxons and Scots. Anglo-Saxon invasions, settlements and kingdoms: place names and village life

Vocabulary	Skills
<i>Trade</i> <b>Jutes</b> – a Germanic people that joined the Angles and Saxons in invading Britain in the 5th century, <b>Raw materials</b> - material still in its natural or original state <b>Finished goods</b> – goods that have completed the manufacturing process, but have not been sold <b>Buhrs</b> - settlement <b>Profit</b> – the amount of money you gain when you sell something above what you paid for it  <i>How societies are governed and ruled</i> <b>Communal</b> – groups or societies <b>Treasured possessions</b> – goods that hold a high value, either monetary or sentimental	Understand how Britain has been influenced by the wider world  Understand how our knowledge of the past is constructed from a range of sources

## Music

Living on a Prayer

Vocabulary	Skills
<b>Chord</b> – a number of musical notes played or sung at the same time <b>Coda</b> – final part of a long piece of music <b>Harmony</b> – a pleasant combination of notes played at the same time <b>Ostinato</b> – a musical phrase <b>Vibrato</b> – a rapidly repeated slight change in the pitch of musical note	Appreciate and understand a range of high-quality recorded music Use and understand staff and other musical notations

## PE

1. Basketball 2. Hockey

Vocabulary	Skills
<i>Basketball</i>	Beginning to build a variety of running techniques and use with confidence.



<p><b>Double Dribble</b> – dribbling the ball again after it has been held in one or both hands.</p> <p><b>Field Goal</b> – counts as 2 points when the ball goes into the basket from live play.</p> <p><b>Guarding</b> – defending or covering another player.</p> <p><b>Pivot</b> – keeping one foot in contact with the ground, whilst moving the other foot.</p> <p><b>Travelling</b> – jumping or walking with the ball, without bouncing it.</p> <p><i>Hockey</i></p> <p><b>Dribble</b> - run while controlling the ball with the stick</p> <p><b>Penalty Corner</b> – free hit taken from a point on the back line</p> <p><b>Penalty Stroke</b> - free shot taken from a spot 7 yards directly in front of the goalmouth</p> <p><b>Push</b> – move the ball along the ground with a pushing movement of the stick</p> <p><b>Shooting Circle</b> - semicircle around each goalmouth from within which all goals must be scored</p>	<p>Can perform a running jump with more than one component.</p>
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## Science

### Properties and changes of materials

Vocabulary	Skills
<p><b>Irreversible change</b> - An irreversible change is a change that cannot be changed back again. Burning or mixing a liquid with bicarbonate of soda are examples of irreversible changes.</p> <p><b>reversible change</b> - A reversible change is a change that can be changed back again. Melting and heating are examples of reversible changes.</p> <p><b>Melting</b> - Melting is the process of changing a solid into a liquid.</p> <p><b>Filtering</b> - Filtering is a method of separating mixtures of solids and liquids.</p> <p><b>Condensation</b> - Condensation is to turn from a gas into a liquid. In the water cycle, the evaporated water in the air cools and turns back into a liquid.</p> <p><b>Evaporation</b> - Evaporation is the process by which a liquid, when heated, changes into a gas and rises into the air.</p> <p><b>Dissolving</b> - Dissolving is a way of mixing a solid and a liquid.</p> <p><b>Soluble</b> - Something that can dissolve</p> <p><b>Solution</b> - When a solid dissolves in a liquid, it creates a solution.</p> <p><b>Sieving</b> - Sieving is a method of separating mixtures of solids and liquids</p>	<p>Reporting and presenting findings from enquiries, including conclusions, casual relationships and explanations of and degree of trust in results, oral and written forms such as displays and other presentations.</p> <p>Identifying scientific evidence that has been used to support or refute ideas or arguments</p>



<b>change of state</b> - the process whereby solids change to liquids or liquids change to gases and vice versa	
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### Science

Animals, including humans

Vocabulary	Skills
<b>Infant</b> – a baby or a very young child <b>Puberty</b> – the stage in someone’s life when the body starts to become physically mature <b>Gestation</b> – the process where babies grow inside their mother’s body	Explore and talk about their ideas; asking their own questions about scientific phenomena; and analysing functions, relationships and interactions more systematically.  Recognise that scientific ideas change and develop over time. that has been used to support or refute ideas or arguments

### Home Learning

We would like all children to read their Accelerated Reader book as often as they can, but at least three times a week for about 20 minutes a time. They need to learn their spellings (their teacher will let you know which ones each week). We would also like them to spend time practising their maths skills using Mathletics and TTRockstars. We will make sure you get logins for these as soon as possible.