



ABINGDON
PREPARATORY SCHOOL

Curriculum Overview
Year 5 Autumn Term

September - December 2018

Form/ Year Group / Section Events	Personal, Social, Health, Citizenship Education (PSHCE)
<p>Informal Parents' Evening: Tuesday 11th September. Year 5 Parents Evening: Tuesday 2nd October. Abingdon Prep School Open Morning: Saturday 6th October. Year 5 Black Country Museum Trip: Thursday 11th October.</p> <p>Half-term begins: Friday 12th October (4.10pm) Half-term ends: Sunday 28th October.</p> <p>JPA Fireworks Evening: Friday 9th November Whole school Christmas Bazaar: Saturday 24th November. Whole School Christmas Carol Service: Tuesday 11th December. Term ends: Friday 14th December (12.00pm).</p>	<p>The pupils in Year 5 will explore the APS Code of Conduct on a weekly basis through drama, role play and group discussion, focusing on why a community needs values. Pupils will learn self-organisation strategies as well as relaxation techniques and consider how to achieve a balanced life. The pupils will then define behaviour that constitutes bullying, explore why children bully, who is bullied and learn strategies to deal with situations when bullying occurs. This will be achieved through role play and discussion. There will be a focus on keeping safe on the Internet.</p>
Mathematics	Science
<p>This term the pupils in Year 5 will study the following topics:</p> <p>Mental maths & word Problems: The pupils will rehearse and explore mental maths facts. They will investigate and solve 1 and 2 step problems, individually, in pairs & in groups.</p> <p>Place Value; Rounding & Properties of Number: They will read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit; round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000; solve number problems and practical problems that involve all of the above; read Roman numerals to 1000 (M) and recognise years written in Roman numerals.</p> <p>Addition/Subtraction: They will count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000: add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction); add and subtract numbers mentally with increasingly large numbers; use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy; count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000; add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction); add and subtract numbers mentally with increasingly large numbers; use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy</p> <p>Multiplication / Division: They will multiply numbers up to 4 digits by a one- or two-digit number using a formal written 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 division and interpret remainders appropriately for the context; identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers; multiply and divide numbers mentally drawing upon known facts; recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) ; solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.</p>	<p>This term Year 5 pupils will study the following topics:</p> <p>Properties and Changes in Materials: The pupils will begin with investigations based on States of Matter including the particle theory. They will investigate: the strength of various materials and the levels of air that different solid materials hold, behaviour of liquids, soluble and insoluble substances (including suspensions), evaporation and condensation (leading onto revision of the water cycle). They will investigate melting points in relation to changes of state and present these findings in graphs. The pupils will end the unit separating a 'mixture' of materials using knowledge gained this term followed on by candle making.</p> <p>Earth and Space: The pupils will learn about the relationship between the Moon, Earth and Sun and how these create night and day and the seasons. They will learn about the phases of the moon and the solar system. Shadows caused by the sun will be studied and sundials made. The pupils will learn simple facts about galaxies and that ours is called The Milky Way. Constellations will be touched upon. Continued next term.</p>

English

The pupils in Year 5 will study the following skills & themes:

Spelling: Pupils will study spelling patterns and rules as laid down in the Year 5 spelling guidance of the National Curriculum. This will include focusing on words with stressed and unstressed vowels; prefixes, suffixes; words with silent letters; particular letter strings and unusual words, including those with different origins.

Punctuation and Grammar: Pupils will review correct use of basic punctuation (full stops, capital letters and commas), identify verbs, nouns, pronouns, adjectives and adverbs, use tenses consistently and organise writing in paragraphs.

Handwriting: Pupils will be following a Year 5 handwriting scheme aimed at allowing the pupils to develop their joins and fluency.

Reading and Writing

Fiction: The pupils reading and writing activities this term will focus around the class novel 'Street Child' by Berlie Doherty. They will write character descriptions of the main characters, learning to use evidence from the text to support their points. The pupils will explore different settings in the story and will discover how the author uses description to portray mood and atmosphere. They will write diary entries of the main characters, learning to write empathetically to show understanding of plot, character and themes. The novel will also help to provide a context for learning about Children in Victorian times, this term's history topic.

Non-fiction: The pupils will learn to write persuasive letters and Biographies.

Speaking and Listening: Most units will involve pupils taking part in paired or larger group discussions. Regular dictation will also form an integral part of the spelling programme.

	<p>Fractions & proportion: They will compare and order fractions whose denominators are all multiples of the same number; identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths; recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number; add and subtract fractions with the same denominator and denominators that are multiples of the same number.</p> <p>Shape, Space and Measures: The pupils will measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres; calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes; know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles; draw given angles, and measure them in degrees (°); identify angles at a point and one whole turn (total 360°); identify angles at a point on a straight line and 1/2 a turn (total 180°); identify other multiples of 90°.</p> <p>Time: They will solve problems involving converting between units of time; complete, read and interpret information in tables, including timetables.</p>	
Geography	History	Religious Education (RE)
<p>This term the pupils in Year 5 will be given the opportunity to develop their skills within each of the four strands of the National Curriculum: Locational knowledge; Place knowledge; Human and physical geography; and Geographical skills and fieldwork. They will locate, name and describe many of the major features of Scandinavia. They will research, describe, understand and compare the key aspects of physical and human geography across this region. They will identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night), as well as the 7 continents and 5 oceans. They will also locate the major physical and human features in each continent (mountain ranges, highest points, rivers; key countries, capitals) including the location of this year's target regions (Southern England; Mexico; and Scandinavia.) They will use maps, atlases, globes and digital/computer mapping to locate the major features of the United Kingdom. They will use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the geography of their locality.</p>	<p>This term the pupils in Year 5 will investigate children's lives in Victorian times. They will set the Victorian era in its historical context; classify primary and secondary historical sources; learn about working conditions for children in the cotton mills and coal mines; and explore other jobs undertaken by poor children. They will discover the role and conditions of workhouses. They will also look at schools in Victorian times and what children did in their leisure time. Their research and findings will help them with their fictional and non-fiction writing in English. Their work in the classroom will be supplemented by independent research and a trip to the Black Country Museum in Dudley.</p>	<p>This term the pupils will study the topic of Origins, focusing their discussions on the early stories in Genesis. The pupils will then be looking at the Christian understanding of God and how the Bible was put together. The term is then finished with the pupils beginning their journey through the life of Jesus.</p>
French	Computing	Drama
<p>Pupils will focus on speaking, listening, reading and writing activities to extend their understanding of the language. Topics will be consolidated and new topics introduced including introductions, classroom commands and objects, descriptions of where pupils live, family and animals. Vocabulary, both oral and written will be extended and there will be a focus on grammar including 'avoir' and 'etre', agreement and correct use of the definite and indefinite article, adjective agreement, pluralising nouns and how to form a negative.</p>	<p>The pupils in Year 5 will study the following topics this term:</p> <p>e-Safety: The pupils will learn which resources can be safely downloaded and used.</p> <p>Programming: They will develop their programming skills, to include variables using an online programming application, Scratch and they will build and control Lego WeDo robots.</p> <p>Technology in our Lives: Pupils will learn how information is sorted and stored.</p>	<p>To begin the year the pupils will build their confidence through a variety of drama 'games' and short exercises. They will focus particularly on character development. They will move on to working on improvisational techniques.</p>

	<p>Handling Data: They will use data loggers which are used to investigate sound levels.</p> <p>Multimedia: They will create a story using appropriate sound effects..</p>	
Art	Craft, Design Technology (CDT)	Music
<p>The pupils in Year 5 will be exploring the following topics:</p> <p>Sea Life: They will explore habitats and nature. In particular we will investigate Sea life, and record from 1st and 2nd hand observation.</p> <p>The work of Matisse: The pupils will explore how to create their own layered collages in more detail, looking at the process of cutting, layering and composition .</p> <p>History of Batik: Students will experiment with drawing using tjantings whilst developing their drawing and painting skills through illustration.</p>	<p>Year 5 pupils will be exploring the following topics:</p> <p>Electrical control: They will extend their knowledge of simple electricity to construct a steady hand buzzer game.</p> <p>Woodwork and Textiles: They will sew a set of juggle balls on the sewing machines and construct a wooden container to hold them.</p> <p>They will design a Christmas decoration and carve a balsa wood model of HMS Victory linking with the Year 5 History syllabus.</p> <p>Christmas Bazaar: They will work in groups to make a fundraising game for the annual Christmas Bazaar.</p>	<p>The pupils in Year 5 will be exploring the following topics:</p> <p>Rounds: They will learn to sing rounds as a class and maintain two and four parts in groups.. They will practise performing rhythmic rounds on untuned percussion and melodic rounds on tuned percussion.</p> <p>Cyclic Patterns: Work on African djembes will include 'echoing', call and response, polyrhythm and improvisation. Pupils will perform rhythms in a drum circle, responding to aural and visual signals. They will produce a class performance for assembly.</p> <p>Vocal: They will extend the range of their singing voices and maintain a vocal line in part singing. They will perform at the school carol concert.</p>
Games	Physical Education (PE)	Swimming
<p>The pupils will learn to play rugby. This will include learning the 8-a-side formats and rules through skills and matches; safe and effective tackling; scrummaging in uncontested 3-man scrums; controlled rucking and mauling (2 v 2); ball placement; support; running with / without the ball; positional play; differing roles of forwards and backs; infringements; start / re-start; offside; principles of rugby and tactical awareness; decision making; attack and defence; and using space. All pupils will take part in inter-school matches, as well as House matches according to the new RFU Continuum.</p>	<p>The pupils in Year 5 will develop their skills in the following areas:</p> <p>Invasion Games: The pupils will be taught the basic skills used in basketball and football then implement these in a game situation.</p>	<p>The pupils in Year 5 will be developing the following skills: front crawl, including the short pull; starts & finish; tumble turns; races & relays; means of entry; backstroke technique.</p>