



**Spring Term Learning
Year Five**

<p>Week beginning: Monday 6th January TAD School starts Tuesday 7th January Week 1</p>	<p>In English, we will be learning the features of an autobiography. Children will read examples of this and eventually write their very own, based on memorable moments in their life.</p> <p>In Maths, we will be revisiting formal methods of multiplication, multiplying three-digit numbers by two-digit numbers.</p> <p>In Science, we will be studying forces. We will explore what gravity is and its impact on our lives. We will also compare gravity on the Moon and Earth to highlight this. We will also build an understanding of the terms weight and mass, while using Newton meters in comparative testing.</p> <p>In History, we will be learning about the Ancient Islamic Empire. We will learn what the House of wisdom was and what went on there and about the Prophet Muhammad and his association with the Golden Age.</p>
<p>Monday 13^h January Week 2</p>	<p>In English, we will be exploring biographies. We will compose a biographical account based on research about Katherine Johnson. This will link to our work the following week in science. We will focus on collecting and using research, as well as using relative clauses, commas, brackets and adverbs of time.</p> <p>In Maths, we will move onto multiplying four-digit numbers by two-digit numbers. We will be looking at word problems that involve multiplication.</p> <p>In Science, we will be studying forces. We will identify and know the effect of friction. Children will identify how the surface material of an object impacts friction and the distance/ speed something travels through a comparative, pattern seeking and fair testing.</p> <p>In History, we will continue learning about the Ancient Islamic Empire. We will be considering how the civilization impacted our lives today and learn about the role the golden age had in improving health care and education.</p>
<p>Monday 20th January Week 3</p>	<p>In English, we will continue our biographical account about Katherine Johnson. We will focus on collecting and using research, as well as using relative clauses, commas, brackets and adverbs of time.</p> <p>In Maths, we will move to the formal written method of short division, initially dividing 2- & 3-digit numbers by a 1-digit number before moving to dividing a 4-digit number.</p> <p>In History, we will continue learning about the Ancient Islamic Empire. We will be making comparisons to what life was like in Britain at the time and why the Golden Age came to an end.</p>

	<p>In Science, we will be studying forces. We will identify and know the effect of air resistance. Children will carry out a comparative and Fair Test using a ‘helicopter’ paper template.</p>
<p>Monday 27th January</p> <p>Week 4</p>	<p>In English, we will be exploring dystopian fiction using Floodland by Marcus Sedgwick as inspiration. Children will be working towards writing a narrative that will include dialogue, a setting description, and an alternative ending. We will focus on the rules of speech, using complex sentence structures with a range of conjunctions, descriptive language, a wide range of openers and adverbial phrases.</p> <p>In Maths, we will conclude this unit by dividing with remainders, using division methods efficiently and solving word problems where the children will have to assess whether to use multiplication or division.</p> <p>In Science, we will be studying forces. We will identify and know the effect of air resistance. Children will carry out a comparative and Fair Testing by identifying how the surface material of an object impacts friction and the distance/speed something travels.</p>
<p>Monday 3rd February</p> <p>OPAL Confident Courageous kids - Parents meeting 6.00pm Tuesday 4th February</p> <p>Robin class assembly Friday 7th</p> <p>Week 5</p>	<p>In English, we will be exploring dystopian fiction using Floodland by Marcus Sedgwick as inspiration. Children will be working towards writing a narrative that will include dialogue, a setting description, and an alternative ending. We will focus on the rules of speech, using complex sentence structures with a range of conjunctions, descriptive language, a wide range of openers and adverbial phrases.</p> <p>In Maths, we will multiply unit & non-unit fraction by an integer (whole number), with children making links to knowledge of multiplication as repeated addition. We will build on this to multiply a mixed number by an integer.</p> <p>In Design Technology we will be exploring the field of textiles. We will design, make and evaluate a product. Children will identify a user, make creative design decisions and ensure it is functional for its purpose. We will be combining different fabric shapes to make our intended outcome product of a hat. Children will learn backstitch and use this in the making process.</p> <p>In Science, we will be studying forces. Children will build on their knowledge of friction with identifying and understanding the effect of water resistance. Children will be testing how changing the shape of an item can affect water resistance.</p>
<p>Monday 10th February</p> <p>Tuesday 11th February – Year 5 Parent Book Looks from 3:00pm</p> <p>Valentines Disco Friday 14th February</p> <p>Swan class assembly Friday 14th</p> <p>Week 6</p>	<p>In English, we will be exploring dystopian fiction using Floodland by Marcus Sedgwick as inspiration. Children will be working towards writing a narrative that will include dialogue, a setting description, and an alternative ending. We will focus on the rules of speech, using complex sentence structures with a range of conjunctions, descriptive language, a wide range of openers and adverbial phrases.</p> <p>In Maths, we will multiply unit & non-unit fraction by an integer (whole number), with children making links to knowledge of multiplication as repeated addition. We will build on this to multiply a mixed number by an integer.</p> <p>In Design Technology we will be exploring the field of textiles. We will design, make and evaluate a product. Children will identify a user, make creative design decisions and ensure it is functional for its purpose. We will be combining different fabric shapes to make our intended outcome product of a hat. Children will learn backstitch and use this in the making process.</p>

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Wider Curriculum	
<p>In Reading (DR), the children will use our core text of Floodland by Marcus Sedgewick to explore the reading skills of prediction, inference, questioning, clarifying, summarising, and evaluating. This will also link to some of our English writing towards the end of the half-term. We will explore non-fiction texts towards the end of the term.</p> <p>In Music, the children will be learning about classical music.</p> <p>In PE lessons with the class teacher, the children will do circuit training to develop strength and stamina. With PE staff, the children will develop their control, flexibility, agility, and coordination in gymnastics. Swan Class will be swimming.</p> <p>In Computing, we will be learning about flat-file databases. Children will be using a database to order data and create charts to answer questions.</p> <p>In PSHE, the children will share their dreams and goals and how they might need money to help them achieve this. They will consider the jobs that people they know do, look at the fact that some jobs pay more money than others and reflect on what types of jobs they might like to do when they are older. The children will also look at the similarities and differences between themselves (and their dreams and goals) and someone from a different culture.</p> <p>In French, we will be learning how to talk about the weather.</p>	

Half Term	
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<p>Monday 24th February</p> <p>Friday 28th February Swift class assembly.</p> <p>Wednesday 26th February: First year 5 class to go to Pizza Express. Class TBC</p> <p>Week 1</p>	<p>In English, we will be reading a variety of 'Tall Tales' (<i>John Bunyan – Johnny Appleseed</i>) and then planning one of our own. We will be focusing on language features such as hyperbole, similes and metaphors, and planning for coherent sentence structure and cohesive paragraphs.</p> <p>In Maths, we will continue our work on fractions by finding fractions of amounts and using fractions as operators. We will also start work on our next unit of decimals and percentages. We will look at decimals up to 2 decimal places and the relationship between equivalent fractions and decimals (tenths).</p> <p>In Science, we will be studying forces. Children will explore and explain how levers, pulleys and gears allow a smaller force to have a greater effect.</p> <p>In RWE, we will be exploring the theme of 'Why do religious books and teachings matter? We will be appreciating that individuals and cultures express their beliefs and values through many different forms. We will explore this through Christianity and Islam.</p>
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<p>Monday 3rd March</p> <p>Week 2</p>	<p>In English, we will be continuing our work on Tall Tales.</p> <p>In Maths, we will continue our work on decimals and percentages, looking at equivalent fractions to hundredths, as well as equivalent fractions (halves, quarters, tenths, fifths) as decimals. We will introduce thousandths for the first time as a fraction and decimal.</p> <p>In Science, we will start our work on our unit of Earth and Space. We will explore the enquiry question of 'How does our position in the Solar System impact life on Earth?' Children will know and explain the movement of the Earth and other planets relative to</p>
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	<p>the Sun. Children will create models and diagrams to help them to understand the movement of Earth in relation to the sun and moon.</p> <p>In Geography, we will be learning all about the similarities and differences between a Tundra and a Desert. We will explore what is meant by a 'tundra' and locate them across the world. We will also look at where the world's most famous and largest deserts are situated.</p>
<p>Monday 4th March</p> <p>Friday 7th March World Book Day</p> <p>Week 3</p>	<p>In English, we will be continuing our work on Tall Tales.</p> <p>In Maths, we will move onto placing thousandths on a place value chart, order and compare decimals with the same number of decimal places, before comparing decimals with up to 3 decimal places. We will also look at rounding to the nearest whole number and decimal point. We will conclude our work on decimals and percentages by looking at percentages as fractions and decimals. As well as equivalent fractions percentages and decimals.</p> <p>In Science, we will continue our work on our unit of Earth and Space. We will explore the movement of the Earth, and other planets, relative to the Sun in the solar system. Children will use secondary sources to find out information about planets in the solar system and create an informative poster.</p> <p>In Geography, we will continue to look at two types of biomes, looking at the main features of a tundra and exploring how people have adapted to live in tundra and deserts.</p>
<p>Monday 17th March</p> <p>Parents Evening Wednesday 19th and Thursday 21st March</p> <p>Week 1 of Year 5 Cycle training begins</p> <p>Week 4</p>	<p>In English, we will be looking at discussion texts in the form of a debate. We will debate our topic, before writing up a balanced discussion, presenting two sides of an argument. We will focus on the structure of persuasive paragraphs, presenting a few points which are backed up with an explanation, evidence, or a quote. Children will also create a questionnaire to collect evidence to be used in their discussion. Our debate question will be: Should zoos be banned?</p> <p>In Maths, we will look at perimeter and area, focussing on the perimeter of rectangles, rectilinear shapes, and polygons. We will then move onto finding the area of rectangles and compound shapes. Children will also look to estimate the area of non-linear shapes.</p> <p>In Science, we will continue to study the unit of Earth and Space. We will explore the enquiry question of 'How Do We Get Night and Day?' Children will know and explain that the Earth rotates constantly, and a full rotation takes 24 hours. When our part of the Earth is facing the sun, it is daytime, but we keep rotating until we are facing away from the sun, and this is night time. We will also think about how the tilt of Earth leads to the changes in seasons.</p> <p>In Geography, we will conclude our work on our unit by exploring the differences between a tundra and a desert. We will conclude our geographical work by exploring what latitude and longitude is and how we can read them from a map.</p>
<p>Monday 24th March</p> <p>Week 2 of Year 5 Cycle training</p> <p>Tuesday 25th March Year 5 School trip to London Zoo</p>	<p>In English, we will continue our writing and discussions about the question: Should Zoos be banned?</p> <p>In Maths, we will explore the unit of statistics, focussing on drawing, reading, and interpreting line graphs. Furthermore, we will be reading and interpreting tables and timetables (e.g., train timetable).</p>

<p>Week 5</p>	<p>In Science, we will continue to study the unit of Earth and Space. We will explore the movement of the Moon relative to the Earth. Children will use secondary research and diagrams to understand the different phases of the moon and its movement relative to Earth. Children will create models to help understand and deepen their learning.</p> <p>In Art, we will be studying Georgia O’Keefe and her artwork. We will also make comparisons to fellow artist Paul Cezanne highlighting similarities and differences. Children will aim to create a still life piece, inspired by O’Keefe, using pencils, pastels, and chalk. Children will learn and think about shape, line, tone, shading in their final pieces.</p>
<p>Monday 31st March</p> <p>Final week of year 5 Cycle training</p> <p>Friday 4th April end of Term</p> <p>Week 6</p>	<p>In English we will commence a unit of work that our pupils can campaign about. This will involve creating illustrations and writing persuasive debates about a worldwide issue.</p> <p>In Maths, we will finish our unit of statistics. We will look at two-way tables, which show more than one piece of information and explore word problems using statistics.</p> <p>In Science, we will continue to study the unit of Earth and Space. We will explore the enquiry question of ‘How Can Shadows Show Us That Earth Is Rotating?’ Children will know and explain that shadows change throughout the day as the earth rotates on its axis and that the length of shadows varies based on the position of the sun. Children will plan a pattern-seeking investigation to identify how shadows change throughout the day. Children will take accurate measurements and record results in a table of their own design. Furthermore, we will look to present their data in a line graph to help them identify patterns and draw conclusions that may link to historic views of the movement of the Earth and Sun.</p> <p>In Art, we will be studying Georgia O’Keefe and her artwork. We will also make comparisons to fellow artist Paul Cezanne highlighting similarities and differences. Children will aim to create a still life piece, inspired by O’Keefe, using pencils, pastels, and chalk. Children will learn and think about shape, line, tone, shading in their final pieces.</p>

Wider Curriculum

In **Reading (DR)** We will explore non-fiction texts in the linking to our Zoo debate.

In **Music**, the children will be learning about the music style of minimalism.

In **PE** lessons with the class teacher, the children will learn dance. Children will show ideas through dance as an individual and group, as well as linking movement patterns and sequences to music. With PE staff, the children will develop their control, flexibility, agility, and coordination in gymnastics. Swan Class will be swimming.

In **Computing**, we will be creating vector drawings. Children will learn how to use different drawing tools to help them create images. Children will recognise that images in vector drawings are created using shapes and lines, and each individual element in the drawing is called an object.

In **PSHE**, the children will investigate the risks associated with smoking and how it affects the lungs, liver, and heart. Likewise, they will learn about the risks associated with alcohol misuse. They are taught a range of basic first aid and emergency procedures (including the recovery position) and learn how to contact the emergency services when needed. The children will investigate how body types are portrayed in the media, social media, and celebrity culture. They will also learn about how this can be linked to negative body image pressures.

In **French**, we will be learning how to talk about clothes. Identifying vocabulary for clothes, describing them and what clothes they may wear.

Supporting Learning at Home

Please make sure that you spend time reading with your child at home. As well as listening to your child read, we recommend reading aloud to your child as a regular story time session. Please help your child practise their weekly spellings and help them practise their number bonds and/or times tables. Homework is set on Fridays and is due on

Wednesdays. You may wish to use this overview to see what your child is learning each week so that you can discuss this learning with your child at home.