



Kirkburton Middle School Curriculum Map Year 6

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>English <i>Pupils will be given many opportunities to revisit prior knowledge and skills acquired throughout each unit.</i></p>	<p>Harry Potter Unit: Developing reading skills (inference, retrieval etc.) exploring characterisation, themes and plot structure. Pupils produce a diary entry for the character of Harry Potter.</p>	<p>Celebration Unit: Pupils develop their skills in writing for a range of purpose and audience within this unit. Students will plan and write three pieces of writing; a narrative based on Halloween; a descriptive piece based on Bonfire Night and a Review of a short animated production, which links to Christmas.</p>	<p>Journalism and letter writing in role. Media based unit around the sinking of the Titanic. Pupils develop empathy skills in order to produce a letter from a passenger and look in detail at the structure and formality of a newspaper report to produce their own about the sinking of the Titanic.</p>	<p>Kick (Novel) Further development of key reading skills – vocabulary, inference, retrieval, prediction, explanation and sequencing/summary. Key spelling, punctuation and grammar skills taught through the reading of the novel. Pupils will develop a knowledge of the difference between fiction and non-fiction. Pupils will produce a non-chronological report and a writing piece with the purpose to argue.</p>	<p>Revision (3 weeks) Reading skills Spelling, punctuation and grammar practice and consolidation. Filling gaps in skills and knowledge in preparation for SATs assessment.</p> <p>Persuasive Letter Writing Pupils will revisit the skill of being able to select appropriate grammar and vocabulary structures that reflect what a type of writing requires.</p>	<p>Stories from other cultures Read stories from other cultures in order to create settings, characters and plot for their own narrative.</p> <p>Pupils will build on prior knowledge of key reading skills to focus on developing these skills into PEE paragraphs in preparation for transition to Key Stage 3.</p>
<p>Maths</p>	<p>Number – Place Value Read, write, compare and order numbers up to 10,000,000 Round numbers. Negative numbers.</p> <p>Number – Calculations</p>	<p>Number – Fractions Equivalent fractions. Simplify fractions. Mixed numbers and improper fractions. Compare and order fractions. Add and subtract fractions.</p>	<p>Number – Decimals and Fractions, Decimals and Percentages Place value in decimals. Multiply and divide by 10, 100 and 1000. Multiply decimals by integers.</p>	<p>Geometry – Units and Measurement Convert between metric units. Imperial and metric conversions. Area and perimeter of rectangles. Area of triangles.</p>	<p>Statistics Line graphs. Pie charts. Parts of a circle. Mean (average). Draw and interpret different charts and graphs.</p> <p>Revision</p>	<p>Consolidation Work</p> <p>Bakery Project.</p> <p>Financial Task – Theme Park.</p> <p>Algebra Bridging Unit.</p>



	<p>Add, subtract, multiply and divide using formal written methods. Multiples, factors, prime numbers, square numbers and cube numbers. Common factors, common multiples. BIDMAS. Problem solving. Reason from known facts. Calculate mentally and estimate answers.</p>	<p>Multiply fractions by integers. Multiply fractions by fractions. Divide fractions by integers. Calculate fractions of an amount.</p> <p>Geometry 2D and 3D shapes Compare and classify geometric shapes based on their properties. Properties of quadrilaterals. Name 2D and 3D shapes. Draw shapes accurately. Nets of shapes.</p> <p>Geometry - Position & Direction Co-ordinates in all four quadrants. Translate shapes on a co-ordinate grid. Reflect shapes.</p>	<p>Divide decimals by integers. Convert between FDP.</p> <p>Number – Percentages Use equivalent FDP. Percentages of amounts. Calculate percentage increases and decreases. Order FDP.</p> <p>Algebra Function machines – finding rules. Sequences. Substitution. Using simple formulae. Solve simple one and two-step equations. Find pairs of numbers that satisfy an equation with two unknowns. Find different possibilities and combinations.</p>	<p>Area of parallelograms. Perimeter and area of compound shapes. Volume of cuboids. Measurement problems.</p> <p>Number – Ratio Language of ratio. Ratio and fractions. Calculate using ratio. Scale factors. Similar shapes. Problem solving with ratio, including recipe problems.</p> <p>Geometry – Angles Draw and measure angles. Name angles. Use angle rules: Angles in a triangle. Angles on a straight line. Angles in quadrilaterals. Angles around a point. Vertically opposite angles.</p>		
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				Regular polygons. Draw 2D shapes accurately.		
Science	<p>Introduction to Science Students will learn vital skills that will be used throughout their science education, they will learn how to work safely, measure accurately, identify and use laboratory equipment including Bunsen Burners.</p> <p>Matter Students consider the role of particles and their arrangement in solids, liquids and gases. Students will investigate a range of reversible and irreversible changes, applying their knowledge of the science lab and safety rules into practice.</p>	<p>Organisms Students learn about the seven life processes (MRS GREN) and look in more depth at the digestive and circulatory systems. Students will start to build a picture of organisation starting at cells and developing into organisms. This unit of work also considers how to live a healthy lifestyle and the impacts of not doing so.</p>	<p>Energy Students will look at circuits and how they work, learning how to draw scientific diagrams and investigating the effects of changing components.</p> <p>Waves Students get the opportunity to explore the role of reflection in how we see and the effects of opaque objects in creating shadows.</p>	<p>Ecosystems Students will look at different habitats and the organisms that live in them, including food chains. Students will learn to interpret and design keys for the classification of plants and animals.</p> <p>Genes Students will study the role of variation and adaptations on survival and how this leads to natural selection and evolution. Students will get to investigate the role of fossil evidence to support the theory of evolution.</p>	<p>Skills across the curriculum These two weeks of lessons are designed to support SATs preparation, looking at maths and English in science, developing students' knowledge of real world contexts for their scientific knowledge.</p> <p>Forces Students get the chance to explore and investigate the role of forces within their lives, starting with considering contact and non-contact forces, measuring forces then investigating friction, drag, air resistance and parachutes, magnets and the role of machines in our lives.</p> <p>Forensics and scientific enquiry In this unit of work, students will apply the investigative skills they have learnt throughout year 6 into a unit studying forensic science, they will step into the world of a SOCO, investigating fibres with the microscopes, fingerprint analysis and the role of collecting evidence.</p>	
Art	What is Art?	Colour Theory	Picasso and Cubism	Mexican Day of the Dead Sugar Skulls	Sugar skulls Clay	Printing and Pattern



	<p>Exploring the importance of art and understanding the formal elements.</p> <p>Picasso and Cubism Learning about Picasso and his life. Exploring all his periods.</p>	<p>Understanding the colour theory and practising mixing them. Exploring colours and their symbolic meanings.</p> <p>Picasso and Cubism The main focus is on how Cubism developed and understanding its style.</p>	<p>Produce a still life from observation and develop it into a Cubist mixed media piece of artwork.</p>	<p>Exploring the art and culture behind the festival and pupils a create sugar skull inspired artwork.</p>	<p>Understand the processes and techniques used in clay from earth to glazing. Pupils make a clay sugar skull.</p>	<p>Explore the use of pattern and produce their own print. Pupils will be studying the work of William Morris and the Arts and Craft movement.</p>
Computing	<p>Basic Skills Introduction to the school network, passwords. Skills and knowledge to build keyboard and mouse dexterity. Familiarisation with common software packages. Pupils will also look at how binary numbers work.</p>	<p>Introduction to Spreadsheets Pupils will work through a set of learning exercises in Excel covering cell references, basic formulae (+, -, /, *) and the SUM and AVERAGE functions.</p> <p>Road Safety & Computing Pupils look at road safety, how programs can be used to control crossings and lights and use their spreadsheet skills from the previous module to create</p>	<p>Scratch LOGO Pupils will look at machine vs human intelligence. They will use an on-screen module of a Martian rover and control it around the surface of Mars. They will then use Scratch to program the computer to draw regular polygons.</p>	<p>Games & Variables Pupils will use Scratch to create a “bubble popping” game.</p> <p>Perfect Presentations Pupils will create a short PowerPoint, focusing on building up a presentation from titles, to bullet points before adding colour, fonts and images.</p>	<p>E-Safety Pupils will discuss online safety & which measures should be put in place to protect oneself from the dangers on the internet.</p>	<p>Textual programming Introduction Pupils will develop programming skills through a project.</p>



		graphs of stopping distances.				
French	Talking about yourself Greetings, saying how you are, name, age Focus on pronunciation.	Talking about yourself Alphabet, months and days, saying when your birthday is, classroom instructions, summative assessment. Christmas celebrations in France and Francophone countries.	Talking about yourself Pets, colours. Making nouns plural and introduction of adjectival agreement.	Talking about your family. Brothers and sisters. Saying if you have/haven't got brothers and/or sisters. Easter traditions in France and Francophone countries	Talking about your family. Who is in your family continued.	Hobbies and interests. Giving opinions about hobbies. Learning verbs of opinion and regular 'er' verbs. Bastille Day and the French Revolution.
Geography <i>Key skills and concepts are interleaved throughout the 3-year KMS Geography course. This spiralled curriculum for Geography ensures the development and securing of essential knowledge and processes.</i>	<u>How do I become a skilled MAST Geographer?</u> Why do we study Geography? Where are the world's continents and oceans? Where are Europe's famous countries located? Where and what is the UK? What are the UK's main physical features (rivers, mountains, oceans) What are the UK's main human features (cities, counties, countries)? What is the employment structure of the UK? (Primary/Secondary/Tertiary/Quaternary) What are map symbols? How do we work out 4 figure grid references? How do we work out 6 figure grid references? How do we measure height on a map? How do we calculate distance on a map?	<u>How do we use our planet as a natural resource?</u> What are rocks and how are they a natural resource? What are renewable and non-renewable resources? What is the greenhouse effect and what does it result in? What are the impacts of global warming? How dangerous is it to use oil as an energy resource? What are the advantages and disadvantages of wind farms as a form of energy production? How can we use resources sustainably?	<u>How are settlements structured in urban areas?</u> How were sites for early settlements chosen? What different settlement patterns are there? How have settlements changed and grown? How are cities structured? How and why has land-use changed in Huddersfield? Why is traffic in urban areas a problem? Are there any solutions to traffic in urban areas? How has shopping changed? How are our cities becoming sustainable?			



<p>History <i>The History Curriculum is currently under review. The aim is to develop a coherent three year history curriculum that is broad, balanced and driven by historical enquiry based questions.</i></p>	<p>The Romans Where did the Roman Empire come from? How did the Roman army help to expand the Roman Empire? How did Britain become part of the Roman Empire? (The three attempts) Who was Boudicca and how did she rebel against the Romans? What did the Romans build after they settled in Britain? How did bathhouses provide leisure for Romans in Britain? What was crime and punishment like in Roman times? What were the religious beliefs of the Romans and who did they worship? What lasting impact did the Romans leave in Britain?</p>		<p>Islam and the Crusades How did Islam rise to a 'Golden Age'? What was the Byzantine Empire? How was the Byzantine Empire under threat? Why did people join the First Crusade? What were the key events and consequences of the First Crusade? How did the crusaders keep control of the Holy Land? How did the Muslims fight back against the crusaders? How did the Muslims re-conquer Jerusalem? Why was there a Third Crusade? What impact did the crusades have on the Holy Land?</p>	<p>Norman Conquest – 1066 (focus on the impact) What happened between the Romans leaving Britain and the Normans arriving? What was the succession crisis? Why was 1066 a year of 3 kings? How did William secure power in England? How did the Harrying of the North help William maintain control? Why is the Domesday Book significant? How did the Normans influence life in England? What happened after William died?</p>	
<p>Music <i>5 units are taught, each lasting approx. 7 weeks.</i></p>	<p>What is Music? Know and understand some key element words. Develop singing technique. To be able to read a ukulele chord diagram and play C, F and A chords and strum simple patterns as part of a group performance. To recognise four note durations: Semibreve, Minim, Crotchet, Quaver.</p>	<p>Keyboard Kick-Off Understand the layout of the Piano/Keyboard. Use a 5- finger technique when playing 'Ode to Joy' and Jingle Bells' melodies and combine with chords. Develop reading of staff notation and play chords with good technique. Rehearse and perform with confidence.</p>	<p>I Got Rhythm Read more complex rhythms, including semiquaver patterns. Explore body percussion and to develop performance technique on the Djembe drum including slap tone and bass. To create a structured group drumming composition and perform it confidently.</p>	<p>Composing for Film To learn basic features of music sequencing software including searching for, selecting and arranging loops. To add automation to a music technology project. To create an effective soundtrack to a film trailer which includes leitmotif and other film music features</p>	<p>Mash It Up Further develop chord playing technique on both the ukulele and keyboard including learning more challenging chords. Performing a variety of 4 chord songs. As a group, create a mash-up of 4-chord songs and perform. Identifying major and minor tonalities.</p>



<p>PE</p>	<p>Introducing basic skills and knowledge in Sports hall Athletics. Introducing some knowledge of different Fitness components and Types of Training to improve Fitness levels. Outdoor and Adventurous Activities such as Team Building and Orienteering are used in the first week to strengthen new friendships within the class.</p> <p>Introducing and developing skills and knowledge in invasion games through Football. Playing adapted games.</p>	<p>Introducing and developing basic skills in Gymnastics. Creating individual routines and sequences on the floor. Introducing and developing basic skills for invasion games through Quicksticks Hockey. Playing adapted games.</p>	<p>Dancing through the ages. Introducing the basics skills in Dance through 1920s to 1980s dance styles. Outdoor and Adventurous Activities such as Team Building and Orienteering are used in the first week to strengthen new friendships within the class.</p>	<p>Introducing and developing basic skills in Net games through Table Tennis. Introducing and developing basic skills for Invasion games through High 5 Netball. Playing adapted games.</p>	<p>Introducing and developing basic skills in striking and fielding activities through Cricket and Rounders. Introducing and developing skills and knowledge in invasion games through Tag Rugby. Playing adapted games.</p>	<p>Introducing and developing basic skills in Net games through Short Tennis. Introducing basic skills and knowledge in outdoor Athletic activities.</p>
<p>PSE <i>PSE is taught for half and year and RE is taught for the other half year</i></p>	<p>Being me in my world A discussion of Rights, Responsibilities, Rewards and Consequences. We consider our hopes/goals, worries/fears looking ahead to the future.</p>	<p>Healthy Me Taking responsibility for our Health and Wellbeing, Drugs, and Emotional and Mental Health.</p>	<p>Relationships What is Mental Health, My mental Health, Love and Loss.</p> <p>Changing me Self-image, how a baby is conceived and develops.</p>	<p>Being me in my world A discussion of Rights, Responsibilities, Rewards and Consequences. We consider our hopes/goals, worries/fears looking ahead to the future.</p>	<p>Healthy Me Taking responsibility for our Health and Wellbeing, Drugs, and Emotional and Mental Health.</p>	<p>Relationships What is Mental Health, My mental Health, Love and Loss.</p> <p>Changing me Self-image, how a baby is conceived and develops.</p>



	<p>Celebrating difference Consideration of what is normal, understanding difference, and consideration of why people bully.</p>			<p>Celebrating difference Consideration of what is normal, understanding difference, and consideration of why people bully.</p>		
<p>RE <i>RE is taught for half and year and PSE is taught for the other half year</i></p>	<p>Christianity What are the features of a church? What are the main Christian beliefs? Why is the bible important to Christians? <u>Side A on the timetable</u></p>	<p>Christianity What are parables? What is Communion? Islam Who was Muhammad? What are the 5 Pillars of Islam? Why is the Quran important to Muslims? <u>Side A on the timetable</u></p>	<p>Islam What does Islam teach about morality? Life as a Muslim in Modern Britain? What are the features of a Mosque? <u>Side A on the timetable</u></p>	<p>Christianity What are the features of a Church? What are the main Christian beliefs? Why is the Bible important to Christians? <u>Side B on the timetable</u></p>	<p>Christianity What are parables? What is Communion? Islam Who was Muhammad? What are the 5 Pillars of Islam? Why is the Quran important to Muslims? <u>Side B on the timetable</u></p>	<p>Islam What does Islam teach about morality? Life as a Muslim in Modern Britain? What are the features of a Mosque? <u>Side B on the timetable</u></p>
<p>Technology</p>	<p>Food Preparation & Nutrition - Pupils will be taught about safe food preparation and hygiene. They will learn about nutrition following the Eatwell guide and will make</p>	<p>Textiles Pupils will learn about fibres and fabrics. They will learn simple embroidery skills and how to use a sewing machine as they</p>	<p>Product Design- Pupils will work with wood. They will understand there are various categories of wood. They will make a desk tidy and learn about health & safety in the workshop</p>	<p>Product Design- Pupils will work with wood. They will understand there are various categories of wood. They will make a desk tidy and learn about health & safety in the workshop</p>	<p>On rotation with Drama</p>	<p>On rotation with Drama</p>



	several dishes using fruits and vegetables.	make a Day of the Dead picture.	whilst working with a variety of tools and machines.	whilst working with a variety of tools and machines.		
Drama	Roald Dahl An introductory unit which introduces dramatic techniques such as tableau, split screen, hot seating, role-play and characterisation through studying a number of Roald Dahl poems and novels.	Darkwood Manor A spooky journey to the mysterious Darkwood Manor. An introduction to physical theatre techniques, whole class acting with a focus on building tension.	On rotation with technology	On rotation with technology	On rotation with technology	On rotation with technology