

## Tanners Brook Primary School- Year 6 Curriculum Map 2021-2022

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>English</b>	<p><i>Beneath the Surface</i> by Gary Crew: Transition unit from Yr5, read and explore the text, understand themes, make predictions, retrieve and infer, diary writing, poetry and suspense story ending</p> <p><i>Macbeth</i> by William Shakespeare: Drama and role play to help understand the key themes, letter writing, persuasive writing and setting descriptions</p>	<p><i>Street Child</i> by Berlie Doherty: Victorian themed novel that links with History unit, read and explore the text, understand themes, make predictions, retrieve and infer, recount on life in the workhouse, a child labour non-chronological report, biography on a key person in history (Dr Barnardo)</p> <p><i>The Viewer</i> by Gary Crew: Reading with a focus on inference and language, understanding picture clues</p>	<p><i>Giant's Necklace</i> by Michael Morpurgo: Read and explore the text, understand themes, make predictions, retrieve and infer writing in role (postcard), setting description and a newspaper</p> <p><i>The Land of Neverbelieve</i> by Norman Messenger: Non-fiction style book study to write our own non-chronological book in this style</p>	<p><i>The Rabbits</i> by Shaun Tan: Read and understanding the key themes, understanding picture clues, retrieve and infer, persuasive writing based on the content</p> <p>Animals: Scientific non-chronological reports based on imaginary animals</p>	<p><i>The Savage</i> by David Almond – read and explore the text, understand mature and in-depth themes and how these build as the story unfolds, make predictions, retrieve and infer from text and pictures, character analysis and diary writing</p> <p><i>Alma</i> (short animation) - Narrative writing with a focus on building suspense using the film as a stimulus, character development, using speech accurately</p>	<p>The Maya: Linked to History unit, using knowledge of the Maya people and their lives to write a persuasive speech</p> <p><i>Stormbreaker</i> by Anthony Horowitz: Read and explore the text, understand themes, make predictions, retrieve and infer, write a gadget explanation, spoken recount and story ending</p>
<b>Maths</b>	<p>Place value and rounding Develop addition and subtraction skills Solving problems with + - Develop x skills - short and long multiplication Correct order of operation Estimating Understanding decimals Develop division skills - short and long Solving problems using all 4 operations Compare and order fractions/mixed fractions Dividing fractions Calculating percentages Converting measurements Applying skills of multiplication and division to 10/100/1000 Solve ratio problems Reading bar and line graphs, pie charts Calculating data – mean, median and mode Properties of 2D shapes Co-ordinates</p>	<p>Quadrilaterals &amp; intersections Co-ordinates - 4 quadrants and problem solving 2D shape - rotation, reflection and translation Measurements Conversion graphs Area &amp; perimeter - regular and irregular shapes, formulae for this Metric/imperial measures Conversion graphs/direct proportion Estimation Time zones/time problems Reading scales Algebra Number sequences Inverse calculation Writing formula Probability Triangular/square numbers Divisibility testing Number sequences</p>	<p><math>\times/\div</math> by 10,100,1000 Positive and negative numbers Multiplication facts % - including out of calculations <math>\times/\div</math> of decimals Factorising <math>\times/\div</math> strategies incl. decimals Mental calculation strategies Currency conversion Ratio and proportion - scaling Area and perimeter of squares, rectangles, circles, triangles, trapeziums Fractions - conversion, ordering, 4 operations 2D shape - drawing, calculating missing angles using properties of polygons 3D shape - properties, nets Calculating volume of cuboids and cylinders</p>	<p>2D shapes - rotation, reflection and enlargement Data handling - line graphs, pie charts, read &amp; draw Data handling - scatter graphs, comparison graphs Area/volume of a range of shapes and formula Probability Inverse operations Using and applying Fibonacci number sequence investigation Data handling - Carroll diagrams, logic problems linear equations, linear graphs Prime numbers Pascal's triangles and investigations Fraction, decimal and percentage calculations % increase &amp; finding the whole Angles related to shape Angles and parallel lines Circle theory Probability</p>	<p>Algebra Area and perimeter Ratio and proportion Reading scales Fractions; - conversion, comparing and calculating Data handling - pie charts Algebra - writing equations Number skills - 4 ops Problem solving 2D shape investigating their properties Investigating coding Cipher challenge work Logic problems/puzzles</p>	<p>Spirals investigation: Use mathematical equipment to draw shapes Use a protractor to measure and draw angles Use a compass to accurately draw circles</p> <p>Maths Mysteries: Revision unit covering all key aspects of a range of mathematical skills to solve a logic problem</p>

<b>Science</b>	Living Things and their Habitats: Identify and describe how living things are classified	Evolution and Inheritance: Recognise living things have changed over time & they produce offspring that share their characteristics	Light and Shadow: Identify how light travels and how we can change the direction of this	Electricity: Create and investigate circuits and how to show these through diagrams	Animals including Humans: Identify and name organs and their functions and what impacts our bodies (including diet, alcohol and drugs).	
<b>Computing</b>	Dt/ICT - programming Scratch – designing a moving object	Spreadsheets - Excel	2 Create Stop motion animation	Multimedia presentations		HTML - webpage design 3D modelling, App production
<b>History</b>		The Victorians: Focus on child labour and key people whose impact we see today (link to Eng)			The Maya: The achievements of this civilisation	
<b>Geography</b>	Map and Field Work: 4/6 figure grid references, map skills, field work and trip to Testwood Lakes		America: Human and physical geography, major cities, comparison of different states, biomes, vegetation belts, mountains & climates			Earthquakes: Tectonic plates and how they happen, measuring earthquakes, aftermath and mitigation
<b>Art</b>	Cubism Printing: Islamic art focusing on geometric printing.	Drawing: Designing William Morris wallpaper	Sculpture: Creating a clay Sculpture for Southampton			Portraits: Features of a face
<b>DT</b>		Textiles: Design and create our own pair of slippers	Structures: Building bridges and towers			
<b>RE</b>	Umma (community): 5 Pillars of Islam	Interpretation: Birth narratives	Creation Stories: Christian and Islamic	Salvation: Christian story		
<b>PSHE</b>	How can we keep healthy as we grow?		How can the media influence people?		What will change as we become more independent? How do friendships change as we grow? Transition – discussions about secondary school RSE – how a baby is made and born	
<b>PE and Games</b>	Dance – themed to the Thriller music Orienteering	Gymnastics – different types of balances Invasion Games – football	Dance – 1930s style dance Invasion Games - rugby	Gymnastics – sequences moving in different ways Fitness – outdoor circuits	Fitness – indoor circuits Striking and Fielding - cricket	Athletics – track races and throwing and jumping events Net and Wall – tennis Cross Country – running techniques and stamina
<b>Music</b>	Loops: Repeating rhythms and phrases		Composition: Play tuned percussion and write lyrics		Wind Instruments: Learn to play well-known tunes (Linked to The Maya)	
<b>MFL - French</b>	Moi Les Instructions de la Classe Les Pays Francophones	Noel en France	Carnival des Animaux: Learning names of various animals	La cuisine et la nourriture Pacques	L'ecole	Ma nouvelle ecole