# Tanners Brook Primary School- Year 6 Curriculum Map 2020 - 2021

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

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| | Calculating data – mean, median and mode<br>Properties of 2D shapes<br>Co-ordinates | | | | | |
| **Science** | *Catch up – Yr5 objectives on Forces and Earth and Space*<br>Living Things and their Habitats:<br>Identify and describe how living things are classified | Evolution and Inheritance:<br>Recognise living things have changed over time & they produce offspring that share their characteristics | Light and Shadow:<br>Identify how light travels and how we can change the direction of this | Electricity:<br>Create and investigate circuits and how to show these through diagrams | Animals including Humans:<br>Identify and name organs and their functions and what impacts our bodies (including diet, alcohol and drugs). | |
| **Computing** | Dt/ICT - programming<br>Scratch – designing a moving object | Spreadsheets - Excel | 2 Create<br>Stop motion animation | Multimedia presentations | HTML – webpage design<br>App production | HTML - webpage design<br>3D modelling |
| **History** | . | The Victorians:<br>Focus on child labour and key people whose impact we see today (link to Eng) | | | The Maya:<br>The achievements of this civilisation | . |
| **Geography** | Map and Field Work:<br>4/6 figure grid references, map skills, field work and trip to Testwood Lakes | | America:<br>Human and physical geography, major cities, comparison of different states, biomes, vegetation belts, mountains & climates | | | Earthquakes:<br>Tectonic plates and how they happen, measuring earthquakes, aftermath and mitigation |
| **Art** | Printing:<br>Islamic art focusing on geometric printing. | Drawing:<br>Designing William Morris wallpaper | Sculpture:<br>Creating a clay Sculpture for Southampton | | | Portraits:<br>Features of a face |
| **DT** | | Textiles:<br>Design and create our own pair of slippers | Structures:<br>Building bridges and towers | | | |
| **RE** | *Catch up – Introduciton to Islam required*<br>Umma (community):<br>5 Pillars of Islam | Interpretation:<br>Birth narratives | Creation Stories:<br>Christian and Islamic | Salvation:<br>Christian story | | |
| **PSHE** | Responsibilities:<br>Rules and responsibilities within Year 6 | Economics:<br>Budgeting and spending money | Dealing with Worry:<br>Finding out our worries and how to cope | | | Transition – discussions about secondary school<br>RSE – how a baby is made and born |
| **PE and Games** | Dance – themed to the Thriller music<br>Cross Country – running techniques and stamina | Gymnastics – different types of balances<br>Invasion Games – football | Dance – 1930s style dance<br>Invasion Games - rugby | Gymnastics – sequences moving in different ways<br>Fitness – outdoor circuits | Fitness – indoor circuits<br>Striking and Fielding - cricket | Athletics – track races and throwing and jumping events<br>Net and Wall - tennis |
| **Music** | Loops:<br>Repeating rhythms and phrases | | Composition:<br>Play tuned percussion and write lyrics | | Wind Instruments:<br>Learn to play well-known tunes (Linked to The Maya) | |
| **MFL - French** | Vive le Sport: | Phrases about popular sporting hobbies | Carnival des Animaux:<br>Learning names of various animals | Quel temps fait-il?: | Learn to write a weather report | |