Year Five: Curriculum Map 2018-19

Subject	Autumn 1st half	Autumn 2nd half	Spring 1st half	Spring 2nd half	Summer 1st half	Summer 2nd half
English	**<u>World War Two- The Home Front</u>** Non-chronological report on the beginnings of the war. **Friend Or Foe** **Michael Morpurgo** Descriptive/ narrative writing- The Blitz Setting description- evacuation Letters between David and his mother- formality. Balanced argument (assessment writing) (Optional: Journalistic writing- capture of the German soldiers.)	**<u>World War Two- The War in the Rest of the World</u>** **The Piano (Film)** Setting description Flashback writing (pre/post-war) Letter writing – to and from the front line Diary entry (consecutive entries- assessment writing)	**The Dreadful Menace** Descriptive techniques- metaphor, simile, personification, hyperbole, alliteration, higher level vocabulary work. Setting description Poetry- syllables, rhyme patterns. Narrative- writing from different perspectives. (assessment writing) Cross curricular writing- mountains and weather non-chronological reports/ explanation writing.	**The Highwayman** Descriptive techniques- metaphor, personification, simile Character description Narrative- key scene from the story. Diary entry- Tim Journalistic writing- Newspaper report- bias (assessment writing)	**<u>Journeys</u>** **Oranges in No Man's Land** Cross curricular writing- Non-chronological report: geographical case study/ comparison between two geographical regions. Setting description- No Man's Land Drama- freeze frames First person diary entry as Ayesha. Postcard to father Writing from a different perspective- Abu Boutros report to the police/ army/ UN **The Arrival- Shaun Tan** (wordless text) Assessed writing.	**Gangsta Granny** Play script (Silver line) Agony aunt letter writing- letter to and reply. non-chronological report explanation/ instructions- The Tower of London Narrative- new chapter/ alternative timeline (assessed writing)
Maths	**Place Value (3 weeks)** Read, write, order and compare, numbers to at least 1,000,000, know the value of each digit. Round to the nearest 10, 100 or 1000, 10,000 & 100,000. Solve problems. Multiply & divide by 10, 100 & 1000. Read & write decimals as fractions, recognise & use decimals to 3 places. Round decimals with up to 2 places. Solve problems with decimals to 3		**Multiplication and Division (3 weeks)** Know & use the vocab of prime numbers, prime factors and composite numbers, establish whether a number up to 100 is a prime & recall primes to 19. Recognise & use square & cube numbers. Solve problems that require knowing % and decimal equivalents. **Fractions, decimals and percentages (up to 5**		**Fractions, decimals and percentages (3 weeks)** Add & subtract fractions with the same denominator & denominators that are multiples of the same number. **Place Value (3 weeks)** Revisit and consolidate previous learning. Extend by applying in a range of contexts. Develop and extend understanding of the	

	places. Convert between metric units. **Addition and Subtraction (3 weeks)** Add & subtract numbers with more than 4 digits using formal written methods. Use mental methods to add & subtract large numbers. Use rounding to check answers. Solve problems choosing operations & methods to use. Solve problems with measures & decimals. **Multiplication and Division (3 weeks)** Identify multiples & factors. Multiply & divide numbers with 4 digits by a 1 digit number using a formal method. Interpret remainders. Multiply & divide mentally. Solve problems involving all 4 operations and a combination of these. **Geometry/ Perimeter and Area (2 weeks)** Identify 3D shapes from 2D representations, estimate & compare acute, obtuse & reflex angles, identify angles at a point, angles on a straight line & other multiples of 90°. Find missing lengths & angles in rectangles, recognise regular & irregular polygons. **Revision** Revisit and consolidate previous learning. Extend by applying in a range of contexts. Interpret negative numbers in context, read Roman numerals to 1000 and recognise years written in RN.		**weeks)** Compare & order fractions whose denominators are all multiples of the same number. Recognise mixed numbers & improper fractions and convert between them. Recognise & understand the % symbol. Write % as a fraction with a denominator of 100 and as a decimal. Identify, name & write equivalent fractions of a given fraction. **Addition and Subtraction (1-2 weeks)** Revisit and consolidate previous learning. Extend by applying in a range of contexts. Measure & calculate the perimeter.		relationship between fractions decimals and percentages and how they fit into the number system. Use this understanding to solve problems **Multiplication and Division (3 weeks)** Multiply numbers with up to 4 digits by a 1 or 2 digit number, including long multiplication for 2 digit numbers. Multiply proper fractions & mixed numbers. Understand and use approximate equivalences between metric units and common imperial units. **Geometry/ Measures (3 weeks)** Find the perimeter of composite shapes in cm and m. Calculate the area of rectangles using standard units and estimate the area of irregular shapes. Estimate volume to build cuboids and capacity.	
Topic Title	**World War Two** **AI- The Home Front** **A2- The War in the Rest of the World**		**To Infinity and Beyond…**	**Forces in Action (DT project focused)**	**Journeys**	**Loudwater- A Local Area Study**
Science	Properties of materials 1:	Gears, Levers and Pulleys	4th February- Science Week	Forces: Investigate • Friction	Properties of materials 2:	**Living things and their habitats:** Life cycles of different

	Investigate: • Melting • Evaporation • Filtration • Dissolving • Irreversible changes- bicarbonate of soda and vinegar. Apply the knowledge of these skills to cooking.	Look at tank tracks and how different types of gears, levers and pulleys work. Chn to create simple gears, lever and pulley mechanisms to create a Christmas toy.	Space: The Earth's rotation, the moon and lunar cycle, the features of different planets, time zones around the world/ sunset and sunrise times. Investigate: • Gravity • The sun's movement across the sky.	• Air Resistance- parachutes • Heat conductivity • Water resistance/ buoyancy	Uses of everyday materials and how they are suited to purpose. (context of refugees- look at tents/ shelters, water containers, backpacks etc- design a DEC emergency kit). Investigate: Conductivity with electricity and magnets.	plants/ animals found in the local area, the life cycle of plants including pollination/reproduction, seed dispersal, photosynthesis, the carbon cycle Investigate: • BBC Terrific Scientific Trees investigation
History/ Geography	History: The beginnings of the conflict, the Axis powers and Allies, The Blitz, evacuation, rationing and dig for victory, Women at War. Geography: Locational geography, locating Allies and Axis powers on maps, showing occupied land etc. Map making at Hillside, aerial photography at Danesfield House.	History: Key dates: Dunkirk, D-Day, fighting locations around the world, the end of the war, post-war Britain, the right to vote for women. Geography Case study: regional comparison between Egypt/ France/ the UK. Changes in land use- pre/post war	Geography: Formation of mountains, different weather patterns/ climate zones around the world. Identifying the equator, hemispheres, biomes etc.	History: Key figures- Tim Peake, Mae C Jemison, key astronauts from the space race. The Cold War Space Race- the history of space travel in the 1960s.	Geography: Migration routes of people, mass movements of people in history- locational geography/ map work. Case study- the conflict in Syria.	Geography: **Local area case study:** Field work in the local area, creating sketch maps, formation of rivers/ erosion, looking at OS maps of the local environment, changes over time, human and physical features. Comparing photographs of Loudwater now and in the past. History: Historic land use in the area, changes in land use. Comparing photographs from the past with the present.
Art/Design Technology	DT: Food and nutrition-	Art: Wartime propaganda	Art: Nebula chalk pastels-	DT: Designing a re-entry	DT: fundraising project for the Red Cross?	Art: Observational drawings

(DT)	war time recipes and rationing, dig for victory- planting opportunity? Local History Week (WW1) art focus. Water colour painting techniques: colour washes, colour mixing, fine line detailing. Artist/ Illustrator: Aaron Becker	posters- chn to research, then design and make their own. DT: Make a simple toy using a gear, pulley or lever mechanism. Relate to make do and mend/ Christmas	look at space photography from Hubble.	craft. Look at the history of design and materials used in space craft construction. Relate to practical science investigations to /test- friction, heat conductors/ insulators, air resistance. Use this to create a design. Make and test a prototype. Evaluate.	Design something to sell? Look at where food comes from/ the movement of food around the world. Famous Artist: Frank Auerbach Anish Kapoor Chn to recreate abstract portraits in the style of Frank Auerbach.	in the local area Look at Victorian botanical drawings. Create a Victorian style detailed botanical drawing. Artist: Marianne North (Kew Artist)
Music	Song to learn: Vera Lynn- The White Cliffs of Dover/ We'll Meet Again		Music Express Year 5		Song to learn: Refuge (sing up) Our Community (Music Express unit)	
ICT	E-safety Networks	Publishing and Word Processing	Programming	Programming	Flowol- controlling external systems.	Programming
RE	Rites of Passage		Worship		Pilgrimages (link to journeys)	
PE	Indoor- gym sequences, gym fit circuits, outdoor-tag rugby, netball		Indoor- Bollywood dance, cool core (Pilates). Outdoor- tennis,		Outdoor- Cricket, swimming, athletics	
French	Rising Stars					
PSCHE Learning about values	Pride – Barack Obama Equality- Nelson Mandela	Peace- Desmond Tutu Thoughtfulness- Tim Peake	Responsibility- Rachel Carson Empathy- Anne Frank	Compassion- Mahatma Ghandi Kindness- Tanni Grey-Thompson	Refugees around the world- fundraising project for the Red Cross? Collaboration- Bill Gates Respect- Rosa Parks	Happiness- Mo Farrah