

## YEAR 5 LONG TERM PLAN 2020-21

SUBJECT	AUTUMN TERM	SPRING TERM	SUMMER TERM – under development
<b>ENGLISH</b>	<b>Treason</b> – Character description, formal letter, news report, plays-script, non-chronological report, poetry	<b>The Promise</b> – Diary, news report, setting description, letter, narrative, newsreader speech, persuasive argument	<b>Just so stories</b> - Traditional stories, fables, description, poetry, biography – Rudyard Kipling <b>Cosmic</b> - Story with an issue, character description, persuasive leaflet, setting description, letter in role, persuasive email
<b>MATHS</b>	Place value Written methods for four operations Rounding whole numbers and decimals Identifying multiples and factors Interpreting negative numbers Equivalent fractions Reading and writing Roman numerals Reflecting shapes over mirror lines Solving problems based on line graphs and bar charts	Mixed numbers and improper fractions Multiplying proper fractions and mixed numbers by whole numbers Solving problems involving units of time Interpreting information from timetables Drawing, estimating and measuring angles Solving multi-step problems involving the four operations Regular and irregular shapes Fractions, decimals and percentages Solving problems based on line graphs and bar charts	Converting between different units of metric measure Perimeter and area Estimating volume of shapes Translation Improper fractions and mixed numbers Drawing, estimating and measuring angles Solving multi-step problems Interpreting information from timetables Negative numbers Rounding whole numbers and decimals
<b>SCIENCE</b>	<b>Earth and Space</b> -Describe the movement of the Earth, and other planets, relative to the Sun in the solar system -Describe the movement of the Moon relative to the Earth- Describe the Sun, Earth and Moon as approximately spherical bodies -Use the idea of the Earth’s rotation to explain day and night and the apparent movement of the sun across the sky.  <b>Types of Change</b> -Investigate dissolving. Which substances dissolve and create a solution and which do not and therefore create a suspension - Explain that when a solution is left exposed to the air the liquid will evaporate into the air leaving the dissolved solid behind - Explain how sieving solids is possible because of the comparative size of the pieces of solid and the holes in the sieve - Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating - Demonstrate that dissolving, mixing and changes of state are reversible changes - Define irreversible change	<b>Materials</b> -Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets -Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution -Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating -Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda. <b>Forces</b> -Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object -Identify the effects of air resistance, water resistance and friction, that act between moving surfaces -Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect	<b>Extreme Weathers</b> -Making a cloud in a jar (links to water cycle) -Rainbow in a jar (densities of liquids) -Making secure structures <b>Living Things</b> -Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird -Describe the life process of reproduction in some plants and animals. Humans -Describe the changes as humans develop to old age.

	- List some of the new substances formed through burning a familiar substance such as wax or wood and combining vinegar and bicarbonate of soda		
<b>PSHCE</b>	<b>Heartsmart units 1 &amp; 2</b>	<b>Heartsmart units 3 &amp; 4</b>	<b>Heartsmart units 5 &amp; 6</b>
<b>RE</b>	Precious Christmas in Art	Christianity The Natural World	Islam
<b>PE</b>	Tag Rugby Dance Indoor Athletics / Cross Country Circuit Training	Basketball Sitting Volleyball Swimming Gymnastics	Ultimate Frisbee Leadership Sports Day Athletics Rounders
<b>MFL Spanish</b>	Revision:-- Countries that speak Spanish Name, age, greetings, where you live	Numbers 1-50 Parts of the body Parts of the head	Numbers 50 - 100 Classroom Objects In the Classroom

	Revision Colours The Family Pets		<ul style="list-style-type: none"> <li>♦ <a href="#">La oruga hambrienta audio story</a> (The Hungry Caterpillar)</li> </ul>
<b>HISTORY</b>			<u>History of Space</u> First man into space First things into space Space race  Identify between different versions of the past Organise relevant historical information Understand links between history and geography Understand differences in political history
<b>GEOGRAPHY</b>			<u>New York</u> American states Latitude longitude Time zones Human features of New York Human features of central park comparison with Birkenhead Park – google maps

<b>ART</b>	<p style="text-align: center;"><b>History curriculum project – see separate plan</b></p>	<p style="text-align: center;"><b>Environment curriculum project – see separate plan</b></p>	<p><u>Gakonga</u> To create sketch books to record their observations and use them to review and revisit ideas To improve their mastery of art and design techniques, including drawing, painting</p>
<b>DT</b>			<p><u>The Great British Space Dinner</u> Eat well in space. Healthy diet and its application to astronauts. Design a menu for the ISS. Using the information about nutritional needs</p>
<b>MUSIC</b>	<p><b>Tudor Music</b> Fanfares Madrigals and songs The 'Pavane' Tudor Dance Music Designing musical entertainment for a Tudor Banquet Musical talents of Henry VIII</p>	<p><b>Our Global Vision</b> - The Royal Liverpool Philharmonic Orchestra</p>	<p><b>Charanga Unit:-</b> Dancin' in the Street</p>
<b>COMPUTING</b>	<p><b>Coding</b> <b>E-safety</b> <b>Further curriculum-linked activities – see History curriculum plan</b></p>	<p><b>Coding</b> <b>E-safety</b> <b>Further curriculum-linked activities – see Environment curriculum plan</b></p>	<p>Through Geography... Use Comic Life or Comicbook! app to create an Africa themed comic book. Use images sourced from the internet as content for the comic book. Through Art... Use a variety of filters and effects to create and edit images of a landscape they have created or are researching. Use PS Express app, Pixlr app or Pixlr online website.</p>