

YEAR 5 LONG TERM PLAN 2020-21

SUBJECT	AUTUMN TERM	SPRING TERM	SUMMER TERM – under development
ENGLISH	Treason – Character description, formal letter, news report, plays-script, non-chronological report, poetry	The Varmints – Setting description, persuasive writing, diary entry, formal letters, narrative	Just so stories - Traditional stories, fables, description, poetry, biography – Rudyard Kipling Cosmic - Story with an issue, character description, persuasive leaflet, setting description, letter in role, persuasive email
MATHS	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 Solving problems based on line graphs and bar charts	Reflecting shapes over mirror lines 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	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
SCIENCE	Earth and Space Recognise the term ‘spherical’ Know that the Earth, Sun and Moon are part of the solar system Know that Earth has one moon Know that the Sun is a star Know that the Earth is a planet Know that the Earth, the other planets and their moons form our solar system Know that the planets, including Earth, move around the Sun Understand that the Sun does not move in space Understand the term ‘orbit’ and be able to describe what a planetary orbit is Know that Earth has an axis Understand that Earth spins on its axis Understand that by spinning on its axis, some parts of the Earth are in daylight when other parts are in darkness Types of Change Describe the observation of the apparent disappearance of a soluble solid when it dissolves in a liquid Explain what a solution is 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	Materials Understand what is meant by a material’s hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets Describe materials and identify materials from their description 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 a variety of materials may be suitable for an object based on the properties of the materials Test properties of a material to establish their suitability or not for a given purpose Forces Understand that a force is needed to make things move Know that gravity is an invisible force that pulls falling objects back to Earth Describe how friction acts on moving objects to slow them down Understand how friction can be used to improve how well an object grips to a surface Recognise that air resistance is a force Describe how air resistance reduces the speed at which objects fall Recognise that water resistance is a force Describe how water resistance slows down moving objects	Extreme Weathers -Making a cloud in a jar (links to water cycle) -Rainbow in a jar (densities of liquids) -Making secure structures Living Things -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.

	<p>Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating</p> <p>Define reversible change</p> <p>Understand that dissolving is a reversible change based on observations of a soluble solid dissolving in water and then being recovered by evaporating the water</p> <p>List some of the new substances formed through burning a familiar substance such as wax or wood and combining vinegar and bicarbonate of soda</p>	<p>Describe how the shape of objects can be used to reduce the effects of water resistance</p> <p>Recall the terms 'spring', 'lever', 'pulley' and 'gear' ('cog')</p> <p>Describe how the use of levers, pulleys and other simple machines reduces the amount of effort needed to move things</p>	
PSHCE	Heartsmart units 1 & 2	Heartsmart units 3 & 4	Heartsmart units 5 & 6
RE	Precious Christmas in Art	The Natural World Christianity	Islam
PE	Dance Indoor Athletics Basketball Gymnastics	Sitting Volleyball Leadership Tag Rugby Ultimate Frisbee	Sports Day Athletics Rounders Swimming
MFL Spanish	Revision:-- Countries that speak Spanish Name, age, greetings, where you live Revision Colours The Family Pets	Numbers 1-50 Parts of the body Parts of the head	Numbers 50 - 100 Classroom Objects In the Classroom <ul style="list-style-type: none"> ♦ La oruga hambrienta audio story (The Hungry Caterpillar)
HISTORY			<p><u>History of Space</u> First man into space First things into space Space race</p> <p>Identify between different versions of the past Organise relevant historical information Understand links between history and geography Understand differences in political history</p>
GEOGRAPHY	History curriculum project – see separate plan	STEM curriculum project – see separate plan	<p><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</p>

ART			<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>
DT	<p>History curriculum project – see separate plan</p>	<p>Environment curriculum project – see separate plan</p>	<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>
MUSIC	<p>Tudor Music Fanfares Madrigals and songs The 'Pavane' Tudor Dance Music Designing musical entertainment for a Tudor Banquet Musical talents of Henry VIII</p>	<p>Our Global Vision - The Royal Liverpool Philharmonic Orchestra</p>	<p>Charanga Unit:- Dancin' in the Street</p>
COMPUTING	<p>Coding E-safety Further curriculum-linked activities – see History curriculum overview</p>	<p>Coding E-safety Further curriculum-linked activities – see Environment curriculum overview</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>