

Medium Term Planning		Year 4	Learning Journey Map	Term: Spring 2	Weeks: 6 weeks
Mapping curriculum content-knowledge and skills; creating cross curricular links; generating learning opportunities; composing the bigger picture					
Curriculum Principles					
<b>Equality of Opportunity</b> Raising pupil aspiration through inspiration, enjoyment and fulfilment; Access to academic excellence; Opportunity to enhance and develop skills/talent; Developing dedication and resilience	<b>Enquiry Based Learning</b> Creative thinkers; Real life challenge Risk taking; Resourcefulness; Enterprise; collaboration; Independent; Fostering and applying thinking skills	<b>Inspire awe and wonder</b> Use stimuli to motivate and inspire- visits, visitors, artefacts, books, videos, plays, role play etc.	<b>Sustainability</b> Emotional Intelligence; Love for learning and collaboration; Care for the environment and community; Fostering tolerance, understanding and empathy		
Materials selected for D&T and science are offered online for children to access. Other materials needed for lessons will also be accessible from regular home items.	Several lessons throughout science and D&T will be dedicated to enquiry based learning where children will think critically to answer key scientific questions about electricity, electrical circuits, sustainable products and the components of working toys.	We will be using exciting websites designed for children to enquire about and investigate electrical circuits, conductors and insulators. Also, children will get to be a part of a ‘Dragoon’s Den’ to present their finished toys to a panel of judges.	Throughout our learning journey, we will be discussing the use of electricity and the how it can be generated and used in a sustainable way. We are also asking children to participate in an Electricity-free Day, where they use no electricity for a chosen day throughout the half-term.		
<b>YEAR 4</b>  <b>Title: Buzzers, Bulbs and Batteries</b>	<b>Key Curriculum Areas:</b> Science, D&T, Computing, Art, R.E.	<b>Maths</b> <i>Place Value:</i> -find 100 more or less than a given number -order and compare numbers beyond 1000 -counting backwards through zero to negative numbers and rounding numbers -recall multiplication and division facts to 12 <i>Fractions and Decimals:</i> -add and subtract fractions with the same denominator -recognise decimal equivalents of any number of tenths or hundredths -round decimals to one decimal place to the nearest whole number; comparing decimals <b>Geometry:</b> -identifying 2d shapes -comparing acute, obtuse and right angles <b>Measurement:</b> - measure and calculate the perimeter and area of rectangular shapes <b>Statistics:</b> -interpret and present discrete and continuous data using bar charts and time graphs	<b>English</b> <b>Instructional Writing and Narrative focus –</b> <b>The Iron Man</b> by Ted Hughes <i>Free Verse Poem on Electricity</i> -figurative language and rhyming -gather scientific vocabulary <b>Narrative: The Iron Man Character Description</b> -conjunctions of time -direct speech -subordination - descriptive writing- expanded noun phrases <b>Narrative: Alternate Ending to ‘The Iron Man’</b> -conjunctions of time -direct speech -subordination - descriptive writing-expanded noun phrases -fronted adverbials <b>-Spelling-</b> to revise spelling words of French origin with the ‘g’ sounds spelt ‘-gue’ (tongue, league) <b>-Handwriting:</b> cursive handwriting <b>-Whole class reading</b> daily sessions		
<b>Big Bang:</b> Electricity Enquiry Lesson	<b>Science</b> -We will be investigating simple circuits, their components and the products that use them -Studying electricity and using critical thinking skills to understand how switches are used in circuits and in products that we use today -We will also be investigating various common conductors and insulators and going through our experiments using the scientific process to conclude and evaluate -Throughout the lessons, we will learn new vocabulary associated with circuits and making links to our D&T project - Understanding how humans have harnessed nature to generate electricity and other forms of naturally occurring electricity				
<b>Special Events</b> Electricity-free Day					
<b>Celebration</b> Dragon’s Den					
<b>D&amp;T</b> -To evaluate existing products: toys that use an electrical circuit -Developing practical skills and engaging in a modelled activity to create a variety of electrical switches -Planning the use of the needed materials and components to make a toy that contains electrical circuits -Creating a toy that lights up and uses an electrical circuit and evaluating our work. -Pitching to a panel to sell our toys and their designs					
	<b>PE – Outdoor- Invasion Games: Football</b> <b>Art- Sculpture: Antony Gormley</b> -Taking inspiration from others -Mastering techniques of sculpture -Designing and Making a sculpture that represents themselves	<b>Computing</b> -Programming that includes designing and creating programs that accomplish specific goals including physical patterns -Cyber bullying awareness and quiz -Information sharing -Staying safe online	<b>Music</b> – To develop an understanding of the history of music <b>Spanish-</b> Dates, days of the week and adjectives of colour <b>PSHE-</b> Healthy ME-my friends and me, group dynamics, alcohol, smoking, healthy friendships, <b>R.E.-</b> Islam- The Qur’an & the Prophet Muhammad (pbuh)		