

Cabot Primary School Cycle A Year 4

	Autumn History Name: Romans Rule! Key Text: The orchid book of Roman myths	Spring Geography Name: A journey around France Key Text: A lion in Paris	Summer Science Name: Mighty Mayans Key Text: A necklace of raindrops
Science	<p>Electricity T1</p> <p><u>Know</u> Identify common appliances that run on electricity Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery</p> <p><u>Understand</u> Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit Recognise some common conductors and insulators, and associate metals with being good conductors.</p> <p><u>Do</u> Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers</p> <p>Sound</p> <p><u>Know</u> Identify how sounds are made, associating some of them with something vibrating Recognise that sounds get fainter as</p>	<p>Animals including humans T3 Y3</p> <p><u>Know</u> Describe the simple functions of the basic parts of the digestive system in humans Identify the different types of teeth in humans and their simple functions</p> <p><u>Understand</u> To understand the role of the digestive system To understand the purpose of teeth To understand a food chain</p> <p><u>Do</u> Eggs in vinegar, coke, water, nothing experiment Construct and interpret a variety of food chains, identifying producers, predators and prey.</p> <p>All living things T4</p> <p><u>Know</u> To recognise that living things can be grouped in a variety of ways To recognise that environments can change and that this can sometimes pose dangers to living things.</p> <p><u>Understand</u></p>	<p>States of Matter - the water cycle</p> <p><u>Know</u> To know the different states of matter Identify the part played by evaporation and condensation in the water cycle</p> <p><u>Understand</u> Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C) Compare and group materials together, according to whether they are solids, liquids or gases To understand the link between evaporation and temperature</p> <p><u>Do</u> Make the water cycle - 3D Visit a reservoir Investigate evaporation</p>

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	<p>the distance from the sound source increases Recognise that vibrations from sounds travel through a medium to the ear</p> <p><u>Understand</u> To understand the relationship between the pitch of the sound and features of the object that produced it To understand that there are patterns between the volume of a sound and the strength of the vibrations that produced it.</p> <p><u>Do</u> Make a musical instrument e.g. guitar that can play different pitches and volumes</p>	<p>To understand how to use classification keys to help group, identify and name a variety of living things in their local and wider environment</p> <p><u>Do</u> Classification in our science area Classification tree diagram (online)</p>	
<p>computing</p>	<p>LKS2 iProgram <u>Know</u> To know what programming is To know how the access programming software</p> <p><u>Understand</u> To understand the commands link to programming To understand how to program to reach an end goal</p> <p><u>Do</u> Create a simple game in Scratch Y4 extension - question and answer game</p>	<p>LKS2 iSafe <u>Know</u> To know how to keep safe online</p> <p><u>Understand</u> To understand that not everything/ everyone is reliable, safe and honest online To understand why they need to be safe online</p> <p><u>Do</u> Make E-safety posters for younger children in the school Make an E-safety song (link with Autumn music)</p> <p>LKS2 iAlgorithm</p> <p><u>Know</u></p>	<p>LKS2 iConnect <u>Know</u> To know what the internet is used for</p> <p><u>Understand</u> To understand the purpose of a search engine To understand how search engine results are listed</p> <p><u>Do</u> Create a fact file or help sheet to show someone how to use the internet safely Y4 extension - how to conduct a detailed search in a search engine</p>

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		<p>To know what an algorithm is</p> <p><u>Understand</u> To understand how to create algorithms To understand how to interpret algorithm</p> <p><u>Do</u> Write an algorithm to help younger children De-bug algorithms</p>	
History	<p>Romans</p> <p><u>Know</u> To know where the Romans came from To know the impact Roman's had on today's life To know a timeline of the Roman empire</p> <p><u>Understand</u> To understand why the Roman's came to Britain To understand the impact they had</p> <p><u>Do</u> Create a time line of the Roman empire Create a newspaper report for the day Caesar died Create shields and recreate their battle formation</p>		<p>Mayan Civilization</p> <p><u>Know</u> To know where Mayans lived To know about Mayan's buildings To know key dates from the Mayan period</p> <p><u>Understand</u> To understand why they built their buildings To understand the differences between the Mayan's and early British history</p> <p><u>Do</u> Explore the Mayan number system Mayan timeline Non-chronological report Chocolate ? Daily life diary Create a 3D Mayan pyramid</p>
Geography	<p>Key human and physical features of own locality</p> <p><u>Know</u></p>	<p>France</p> <p><u>Know</u> To know countries that France borders</p>	

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	<p>To know what a map is and how to use it To know how to read a map To know what a survey is and what they are used for</p> <p><u>Understand</u> To understand how grid references work To understand that there is a range of question (open and closed)</p> <p><u>Do</u> Create a survey of land use and conduct during a local area walk / school Design a map of the classroom / school</p>	<p>To know that France can be accessed by Eurotunnel To know where France is located To know major cities in France (Paris, Calle) To know about the physical characteristics of France - the alps</p> <p><u>Understand</u> To understand similarities and differences between France and Bristol To understand how digital maps aid us to read maps</p> <p><u>Do</u> Create a French story Write a non-chronological report on 3 landmarks</p>	
Art	<p>Roman Architecture</p> <p><u>Know</u> To know the features of Roman architecture To name famous Roman buildings</p> <p><u>Understand</u> To understand how the Roman Architecture To understand how to evaluate our working</p> <p><u>Do</u> Create a Roman architecture building using paper mache .</p>	<p>Observational drawings</p> <p><u>Know</u> To know what observational drawing is To know how to use different pencils</p> <p><u>Understand</u> To understand how to shade To understand that mistakes are learning To understand proportion</p> <p><u>Do</u> Create a variety of observational drawings of different objects</p>	<p>Monet</p> <p><u>Know</u> To know who Monet is To know when he created his art work and reasons for it</p> <p><u>Understand</u> To understand the reasons behind his art work To understand what made him famous</p> <p><u>Do</u> Create a garden in the style of Monet</p>

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<p>DT</p>	<p>Cooking - Sandwiches</p> <p><u>Know</u> To know the features of a sandwich To know how to use kitchen equipment Safely To know the principles of a healthy and balance diet</p> <p><u>Understand</u> To understand what makes an effective sandwich To evaluate the sandwich</p> <p><u>Do</u> Create a sandwich</p>	<p>Shelters</p> <p><u>Know</u> To know what a shelter is and what it is used for To know how to generate, model and discuss their ideas</p> <p><u>Understand</u> To understand how to select a tool from a wide range of tools</p> <p><u>Do</u> Create a shelter using a range of tools and materials</p>	<p>Cooking - chocolate truffles</p> <p><u>Know</u> To know that Mayans found the chocolate bean To know where the cocoa beans come from</p> <p><u>Understand</u> To understand a range of cooking techniques To understand how to use a range of equipment safely To evaluate their chocolate truffles</p> <p><u>Do</u> Create chocolate truffles</p>
<p>Music</p>	<p>Roman songs</p> <p><u>Know</u> To know what makes an effective song</p> <p><u>Understand</u> How songs are composed</p> <p><u>Do</u> Compose a song and perform in an assembly</p>	<p>Balloon Fiesta</p> <p><u>Know</u> What sounds a hot air balloon makes What timbre is</p> <p><u>Understand</u> What timbre is and how to make that sound</p> <p><u>Do</u> Create a piece of music including timbre</p>	<p>Balloon Fiesta</p> <p><u>Know</u> What evaluation is</p> <p><u>Understand</u> To understand how evaluation is helpful to improve composition</p> <p><u>Do</u> Evaluate pieces of a music and our own piece of music from last half term</p>
<p>RE</p>	<p>What does it mean to belong to a religion?</p> <p><u>Know</u> To know what it means to be Jewish</p>	<p>How should we live and who can inspire us?</p> <p><u>Know</u> To know about a range of people who are</p>	<p>What does it mean to belong to a religion?</p> <p><u>Know</u> To know how members of the Hindu faith</p>

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	<p>To know members of Judaism celebrate and live out their beliefs</p> <p><u>Understand</u> To understand why Jewish people celebrate and live out their beliefs in the way that the do To understand the similarities and differences between different groups of Judaism</p> <p><u>Do</u> Create a range of writing around Jewish celebrations e.g. acrostic poem, letter to a friend about a celebration Compare different groups of Judaism</p>	<p>positive examples that show us how to live.</p> <p><u>Understand</u> To understand what values and commitments have been taught by founders of faith or communities, leaders, believers and specific communities To understand how you might change your lives in the light of the qualities demonstrated by other people.</p> <p><u>Do</u> Create a speech to inspire others</p>	<p>celebrate and live out their beliefs in the way that the do</p> <p><u>Understand</u> To understand how members of the Hindu faith celebrate and live out their beliefs in the way that the do</p> <p><u>Do</u> Research Hindu Gods Create questions to ask at Hindu temple</p>
PHSE	<p>It's Our World</p> <p><u>Know</u> Know how to save energy</p> <p><u>Understand</u> Understand how laws are made understand what climate change is and its impact on the environment</p> <p><u>Do</u> Devise a class charter Use newspapers to find examples of democracy in decision making Make a leaflet about saving energy</p> <p>Say No!</p>	<p>Money Matters</p> <p><u>Know</u> Know what makes up family expenses Know how to pay for goods</p> <p><u>Understand</u> How to plan and budget The importance of saving</p> <p><u>Do</u> Write financial plan for a character</p> <p>Who Likes Chocolate?</p> <p><u>Know</u> Know some of the moral and ethical aspects to the trade in chocolate</p>	<p>People Around Us</p> <p><u>Know</u> Know what prejudice is Understand what stereotypes are</p> <p><u>Understand</u> Understand how to work cooperatively Have strategies for dealing with prejudice</p> <p><u>Do</u> Create class collage of the human race Role play and discussion around feeling excluded</p> <p>Growing Up</p> <p><u>Know</u></p>

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	<p><u>Know</u> To recognise that some household substances are dangerous Understand the dangers of tobacco and alcohol</p> <p><u>Understand</u> How identify hazards and know how to keep safe</p> <p><u>Do</u> Role play - resisting pressure</p>	<p><u>Understand</u> Recognise bias in the media Understand the potential influence of consumer power through fair trade</p> <p><u>Do</u> Debate fair trade</p>	<p>Know the main stages of the human life cycle Know about the emotional and physical changes that happen in puberty Know that change can be good</p> <p><u>Understand</u> Understand some of the reasons why change can feel uncomfortable and know some coping strategies</p> <p><u>Do</u> Create wishes hopes and dreams Play belonging game</p>
P.E	<p>Unit one from REAL PE Unit two from REAL PE Swimming</p>	<p>Unit three from REAL PE Unit four from REAL PE</p>	<p>Unit five from REAL PE Unit six from REAL PE</p>
French	<p>Greetings Numbers Using a French dictionary</p>	<p>Pronunciation Longer sentences with conjunctions Landmarks in Paris</p>	<p>Questions about yourself Writing sentences Landmarks in Britain</p>