

Year 3 Spring 2	
Science Crucial Knowledge	
Animals Including Humans – skeletons & muscles	<ul style="list-style-type: none"> <li>Humans and some animals have skeletons and muscles to support them.</li> <li>Skeletons - support the body, protect the organs in the body; allow us to move.</li> <li>Vertebrates (animals with a backbone) have an endoskeleton.</li> <li>Invertebrates (animals without a backbone) have either an exoskeleton or a hydrostatic skeleton.</li> <li>Joints are where 2 or more bones are fitted together.</li> <li>Muscles are soft tissue that contract and relax to cause movement, they work in pairs to move the bones they are attached to.</li> </ul>
History Crucial Knowledge	
From the Stone Age to the Iron Age	<ul style="list-style-type: none"> <li>'Pre-History' was the period before writing was used to record things.</li> <li>The Stone Age, Bronze Age and Iron Age lasted from 10,000BC – 43AD in Britain. This period was called 'Pre-History'</li> <li>The Stone Age began around 2.5 million years ago.</li> <li>The Bronze Age began around 5300 years ago.</li> <li>The Iron Age began around 2800 years ago.</li> <li>People changed from living in caves during the Stone Age to small farms and hill forts in the Iron Age.</li> <li>People changed from being hunter gatherers in the Stone Age to eating cooked meals in the Iron Age.</li> <li>The population of Britain grew from about 50,000 to over 1 million by the end of the Iron Age.</li> <li>Stone Aged people used tools and weapons made of stone, bronze aged people used tools and weapons made of bronze and iron aged people used tools and weapons made of iron</li> </ul>
Design and Technology Crucial Knowledge	
Structures Shell structures	<ul style="list-style-type: none"> <li>A shell structure is made from a net.</li> <li>A net is what a 3D shape would look like when it has been flattened out.</li> <li>The net is folded to make the 3D shape.</li> <li>Nets are used to make boxes to package items in e.g. cereal.</li> </ul>
Computing Crucial Knowledge	
Programming - Sequencing Sounds	<ul style="list-style-type: none"> <li>Programming is when you give an algorithm to a digital device so it can complete its action.</li> <li>An algorithm is a precise set of ordered instructions</li> <li>Algorithms need to be written in a special language called code so digital devices, can understand them.</li> <li>Coding is how we communicate with computers. Code tells a computer what actions to take.</li> <li>Bug: A mistake in the code.</li> <li>Debug is when you check for mistakes in your code.</li> <li>Sequence: steps carried out in order.</li> </ul> <p><b>Vocabulary:</b> Scratch, programming, blocks, commands, code, sprite, costume, stage, backdrop, motion, turn, point in direction, go to, glide, sequence, event, task, design, run the code, order, note, chord, algorithm, bug, debug, code.</p>
Music Crucial Knowledge	
Playing an instrument	<ul style="list-style-type: none"> <li>Hold the recorder correctly, control the sound, and start each note clearly with 'doo'.</li> <li>Play notes B A G clearly.</li> <li>Start and stop playing at the same time.</li> <li>Perform the chant, keeping a steady beat.</li> <li>Play as part of an ensemble, in smaller and larger groups, including singing and playing.</li> <li>Sing the Enchanted forest song from memory, expressing the lyrics.</li> <li>Improvise on one or more notes using word rhythms.</li> <li>Create owl sounds using the head joint of the recorder.</li> </ul>

	<ul style="list-style-type: none"><li>Play one of the recorder parts for Enchanted forest.</li></ul>		
Physical Education Crucial Knowledge			
Invasion - Football & Netball	<ul style="list-style-type: none"><li>Co-ordination is the ability to move two or more body parts under control, smoothly and efficiently.</li><li>Movement is when changing position, posture, or place.</li><li>Competing means to do your best against others.</li><li>Agility is how quickly you can change direction whilst maintaining speed, balance, and power.</li><li>Kicking is when you hit an object (ball) with your foot</li><li>Attack is to try to move past and score against the opposing team.</li><li>Defend is to block the other team and stop them from scoring.</li></ul>		
Striking & Fielding – Cricket	<ul style="list-style-type: none"><li>Co-operation is when you work together with others to achieve a result.</li><li>Communicating with others giving and receiving information.</li><li>Throw is to push an object by hand with a sudden forward motion ending with straightening the arm and wrist.</li><li>Catching is to use the hands to stop and hold a moving object. Eyes on the object, fingertips together (two handed catch), catch the object, then grip it.</li><li>Striking is when you hit a ball with a bat.</li><li>Run is to move quickly using your feet.</li></ul>		
Religious Education Crucial Knowledge			
Sharing Food & Religious Festivals	<ul style="list-style-type: none"><li>Special foods are eaten on special occasions or religious festivals.</li><li>Sharing special foods is an important part of many religious festivals or ceremonies. It reminds you of the special occasion, why it is celebrated, and it brings people and communities together.</li><li>Easter is celebrated because of the resurrection of Jesus.</li><li>Pesach or Passover is a Jewish festival celebrating freedom.</li></ul>		
PSHE Crucial Knowledge			
What are families like?	<ul style="list-style-type: none"><li>A family is a group of two people or more related by birth, marriage or adoption who usually live together.</li><li>Families show that they care for each other by spending time together, sharing, caring, celebrating. They also live by the same rules and expectations.</li><li>When you are at home you should feel safe, secure, happy.</li><li>Families are not always like this. Sometimes they argue or disagree. They should not hurt each other or make each other sad.</li></ul>		
Spanish Crucial Knowledge			
English	Spanish	English	Spanish
How old are you?	¿Cuántos años tienes?	pink	rosa
I have .... years. He/she has... years.	Tengo... años. Tiene... años.	red	rojo
Where do you live?	¿Dónde vives?	blue	azul
I live in...	Vivo en...	yellow	amarillo
Colours	Los colores	orange	anaranjado / naranja
black	negro	brown	marrón / café
white	blanco	green	verde
grey	gris	purple	violeta
Numbers 1-10	uno, dos, tres, cuatro, cinco, seis, siete, ocho, nueve, diez		
Numbers 11-20	once, doce, trece, catorce, quince, dieciséis, diecisiete, dieciocho, diecinueve, veinte		