

Year 4 Summer 2		
Science Crucial Knowledge		
Animals Including Humans - Digestion	<ul style="list-style-type: none"> <li>• Digestion is the how the body breaks down food so it can be taken in and used.</li> <li>• Food goes in through your mouth, is chewed by the teeth and then travels through the body and comes out of the rectum.</li> <li>• Our teeth will change with age.</li> <li>• Humans have two sets of teeth in a life time, first set is called primary as a young person and second set is called secondary these are adult teeth.</li> </ul>	
History Crucial Knowledge		
Ancient Egypt	<ul style="list-style-type: none"> <li>• Ancient Egypt lasted from 3100BC to 30BC.</li> <li>• The Ancient Egyptians lived around 5000 years ago.</li> <li>• Ancient Egyptian rulers were called 'Pharaohs'.</li> <li>• Tutankhamun was an Egyptian Pharaoh who ruled from the age of 9 – 18. He was called 'the boy king'.</li> <li>• When important people died in Ancient Egypt, their bodies were 'mummified' by removing the insides and wrapping them in cloth.</li> <li>• The Ancient Egyptians were one of the first groups of people to write things down. Their style of writing is called 'hieroglyphics'.</li> <li>• The River Nile was really important to Ancient Egyptians. It provided them with food and trade.</li> </ul>	
Design Technology Crucial Knowledge		
Textiles 3-D products	<ul style="list-style-type: none"> <li>• Textile is a type of cloth</li> <li>• 2D (two dimensions) is a shape that has two measurements (e.g. width and height). It can't be picked up.</li> <li>• A 2D shape is a flat shape that cannot be used to hold anything</li> <li>• 3D (three dimensions) is a shape that has three measurements (width, height, depth). It can be picked up.</li> <li>• A 3D shape has got side and can be used to put items in</li> <li>• A piece of material can be folded to make a 3D shape</li> </ul>	
Computing Crucial Knowledge		
Repetition in games	<ul style="list-style-type: none"> <li>• An <b>algorithm</b> is a precise set of ordered instructions which can be turned into code</li> <li>• <b>Coding</b> is how we communicate with computers. Code tells a computer what actions to take.</li> <li>• <b>Command</b> is a specific instruction given to a computer application to perform a task.</li> <li>• <b>Repetition</b> is where actions or commands in programming are repeated.</li> <li>• The repeating commands can also be referred to as a 'loop'.</li> <li>• <b>Infinite loops:</b> Loops that can be repeated indefinitely</li> <li>• <b>Count-controlled loops:</b> loops that repeat for a set number of times</li> <li>• <b>Bug:</b> A mistake in the code.</li> <li>• <b>Debugging</b> is checking the code in a computer program to ensure it works and changing it if it doesn't.</li> </ul> <p>Vocabulary Scratch, programming, sprite, blocks, code, loop, repeat, value, infinite loop, count-controlled loop, costume, repetition, forever, animate, event block, duplicate, modify, design, algorithm, debug, refine, evaluate.</p>	
Music Crucial Knowledge		
	Musical Learning	Key Musical Vocabulary
Monsters, Monsters (Instrumental Unit)	<ul style="list-style-type: none"> <li>• Demonstrate a solid recorder technique, holding the recorder correctly and using tongued articulation.</li> <li>• Learn how to play the notes B A G C D and low E on the recorder.</li> <li>• Explore expression on the recorder by using two types of articulation (tonguing), smooth (<i>legato</i>) and short (<i>staccato</i>) sounds.</li> </ul>	<ul style="list-style-type: none"> <li>• Duration: minims, crotchets, quavers, semiquavers, dotted minims, semibreves, dotted rhythms, time signature (4/4 and 12/8).</li> <li>• Pitch: step, skip, melody, <i>glissando</i>.</li> <li>• Structure: call-and-response, phrase, repetition, bar, section,</li> </ul>

	<ul style="list-style-type: none"> <li>Learn to play at least two sections in <i>Monsters, monsters</i></li> <li>Play as part of an ensemble, in smaller and larger groups, including singing and playing.</li> <li>Sing <i>Monsters, monsters!</i> from memory, expressing the meaning of the words through actions and gestures.</li> <li>Create and explore new sounds on the recorder (extended techniques) to represent different kinds of monster characters.</li> <li>Using graphic notation to organise monster character sounds into a compositional structure.</li> <li>Listen to, appreciate, and be inspired by pieces of music featuring the recorder from medieval times to the present day.</li> </ul>	<p>introduction/intro, outro, verse.</p> <ul style="list-style-type: none"> <li>Timbre: extended techniques, exploring different types of percussive sounds on the recorder, articulation (<i>staccato</i>, <i>legato</i>, <i>slur</i>).</li> </ul>
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### Physical Education Crucial Knowledge

Striking and Fielding – Rounders and Cricket	<ul style="list-style-type: none"> <li>Agility is how quickly you can change direction whilst maintaining speed, balance and power.</li> <li>Co-operation is when you work together with others to achieve a result.</li> <li>Run is to move quickly using your feet.</li> <li>Movement is when changing position, posture or place.</li> <li>Communicating with others giving and receiving information.</li> <li>Striking is when you hit a ball with a bat.</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, finger tips together (two handed catch), catch the object, then grip it.</li> </ul>
Net - Badminton	<ul style="list-style-type: none"> <li>Striking is when you hit a shuttlecock with a racket.</li> <li>Strength is a measure of power.</li> <li>Technique is a way of carrying out a particular task.</li> <li>Communicating with others giving and receiving information.</li> <li>Competing means to do your best against others</li> <li>Run is to move quickly using your feet.</li> </ul>

### Religious Education Crucial Knowledge

Features and patterns of worship	<ul style="list-style-type: none"> <li>The word worship means the act of paying honour and homage to God.</li> <li>Different faiths worship their Gods in different ways</li> <li>Different faiths worship in their special places</li> <li>There are different holy days for different religions – these are celebrated according to their beliefs and traditions.</li> <li>Each religion has its own sacred place, book and wordings which have meaning to them.</li> </ul>
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### Personal, Social Health & Economic Education Crucial Knowledge

How can our choices make a difference to others and the environment?	<ul style="list-style-type: none"> <li>The environment is the world in which we live.</li> <li>Everyone should look after the Earth.</li> <li>Compassion is to show care and concern for others (people and animals).</li> <li>Pollution, littering, vandalism can damage our planet.</li> </ul>
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### Spanish Crucial Knowledge

English	Spanish	English	Spanish
What are you like?	¿Cómo eres?	dark brown	moreno
I am..	Soy...	black	negro
tall	alto (m) alta (f)	blonde	rubio
slim	delgado (m) delgada (f)	red	pelirrojo

short	bajo (m) baja (f)	<b>I have... eyes.</b>	Tengo los ojos...
strong	Fuerte	blue	azules
fat	gordo (m) gorda (f)	brown	marrónes
Days of the Week	lunes, martes, miércoles, Jueves, viernes, sábado, domingo.	green	verdes
<b>I have .... hair.</b>	Tengo el pelo...	black	negros
brown	castaño	Numbers 1-10	un, dos, tres, cuatro, cinco, seis, siete, ocho, nueve, diez
Numbers 1-20	once, doce, trece, catorce, quince, 6 dieciséis, diecisiete, dieciocho, diecinueve, veinte		