



## Y4 Curriculum Overview - Spring

	Spring 1	Spring 2
<b>English</b>	<p>Talk for Writing: Defeating the Monster - <i>The Iron Man</i> Adverts - Buy a robot</p> <p><i>Page turners/reading spine: The Firework-Maker's Daughter, The Miraculous Journey of Edward Tulane</i></p>	<p>Talk for writing: Adventure - The black pebble Newspaper report - Landing on the moon</p> <p><i>Page turners/reading spine: The Firework-Maker's Daughter, The Miraculous Journey of Edward Tulane</i></p>
<b>Maths</b>	<p>Number: Multiplication and division</p> <ul style="list-style-type: none"> <li>• Times tables up to 12x12</li> <li>• Mental multiplication and division</li> <li>• Factor pairs and commutativity</li> <li>• Multiply 2 and 3 digit numbers by a 1 digit number using formal written methods</li> <li>• Problem solving using multiplication and addition</li> </ul> <p>Measurement: Area</p> <ul style="list-style-type: none"> <li>• Convert between different units of measurement</li> <li>• Estimate, compare and calculate different measures</li> <li>• Measuring and calculating perimeter and area</li> </ul>	<p>Number: Fractions</p> <ul style="list-style-type: none"> <li>• Count up and down in hundredths</li> <li>• Recognise and show equivalent fractions</li> <li>• Add and subtract fractions with the same denominator</li> <li>• Solve problems involving fractions</li> <li>•</li> </ul> <p>Number: Decimals</p> <ul style="list-style-type: none"> <li>• Recognise and write decimal equivalents of any number of tenths or hundredths</li> <li>• Decimal equivalents to a quarter, half and three quarters</li> <li>• Rounding decimals</li> <li>• Compare numbers with two decimal places</li> <li>• Dividing a 1 or 2 digit number by 10 or 100</li> </ul>

<b>Science</b>	<p align="center"><b><u>Sound</u></b></p> <p>How are sounds made? How do vibrations from sounds travel through a medium to the ear ?</p> <p>How does the pitch of a sound relate to the features of the object that produced it ?</p> <p>How does the volume of a sound relate to the strength of the vibrations that produced it ?</p> <p>What happens to sounds as the distance from the sound source increases ?</p>	<p align="center"><b><u>Electricity</u></b></p> <p>An introduction to studying electricity. Children will learn about what electricity is and how it was discovered. They will identify which appliances use electricity in their homes and how to keep themselves safe. Children will construct circuits, start to create pictorial circuits and conduct an investigation into how easily different types of switches can break and reconnect a circuit.</p>
<b>Art</b>	<p align="center"><b><u>Printing, drawing and painting skills focus</u></b></p> <p>Artist' reference Roy Lichtenstein</p> <p>Mono-printing and image transfers using foam printing media and rollers. Explore complementary colours using colour wheel and create colour combinations. Combine drawing and painting media in own compositions</p>	<p align="center"><b><u>Sculpture skills focus</u></b></p> <p>Artists' reference Kurt Schwitters, Eileen Agar</p> <p>Sculpture design and art appreciation - clay handling and shaping techniques for making sculpture</p> <p>Schwitters/ Agar inspired collage making</p>
<b>Computing</b>	<p align="center"><b><u>Programming Scratch Maze Games</u></b></p> <p>Algorithms, repetition, conditions and variables, while introducing students to Scratch's block-based coding language. Building of adventure maze games and designing own levels, characters and objects to collect.</p>	<p align="center"><b><u>3D Design - Digital Modelling</u></b></p> <p>3D modelling and design, looking at both architectural design of building and sculpture of models. Learn the basics of Sketchup and then put your design skills to the test with a number of projects.</p>
<b>Design Technology</b>	<p>Food: Healthy and varied diet (including cooking and nutrition requirements for ks2) Exploring fresh garden produce</p> <p>Exploring Central American and french recipes</p>	<p>Food: Healthy and varied diet (including cooking and nutrition requirements for ks2) Exploring fresh garden produce</p> <p>Exploring Central American and french recipes</p>
<b>French</b>	<p align="center"><b><u>Unit 5 'Mon Anniversaire' (NT unit )</u></b></p> <p>School routine, days of the week, counting up to 40, weather, dates and festivals.</p>	<p align="center"><b><u>Unit 6 'Le Monde' (NT unit )</u></b></p> <p>Names of countries surrounding France, names and location of principal cities in France, location of seas around France, Paris: its monuments and main features, weather revision, 1st person accounts of two contrasting towns in France, write a postcard in French from a French town.</p>
<b>Geography</b>	<p align="center"><b><u>Settlements</u></b></p>	<p align="center"><b><u>Rivers</u></b></p> <p>What is the hydrological cycle?</p>

	<p>Where are the main settlements in the world ?-satellite images</p> <p>What do larger settlements need to function in modern times ?- services</p> <p>Make your own town and country.</p>	<p>Where does the water go ? -Permeability</p> <p>What does a river course look like ?</p> <p>What are the main features of a river ?</p> <p>What are the main rivers of the UK ?</p> <p>What do the main courses of rivers look like ?</p>
<b>History</b>	<p><b><u>The Maya</u></b></p> <p>What did the Maya eat ? How did the Mayans count ?</p> <p>How did the Mayans write ? What happened to the Maya ?</p>	<p><b><u>A local History Study :Cullercoats and the Tyne</u></b></p> <p>Local History Chronology. How has St Mary's Island changed ?</p> <p>How has the local area changes? - map study. Who were the Cullercoats Fishwives ?</p>
<b>Music</b>	<p>Charanga - Stop!</p> <p>A Song/Rap about bullying Children will learn about the interrelated dimensions of music through games, singing and composing.</p>	<p>Charanga Lean on Me</p> <p>Children will learn the interrelated dimensions of music (pulse, rhythm, pitch etc.), that singing and playing instruments are all linked.Children will learn the importance of keeping focused on musical learning; the integration of musical learning/practice is key everyone needs to be active musicians.</p>
<b>PE</b>	<p>Badminton</p> <p>developing striking and fielding skills.</p> <p>Rugby</p> <p>Teamwork, resilience and perseverance, sportsmanship</p>	<p>Basketball</p> <p>Developing attack and defense skills</p> <p>Hand eye coordination</p> <p>Tennis</p> <p>Racket skills, different striking techniques, aiming at a target</p>
<b>PSHE</b>	<p><b><u>Safety First</u></b></p> <p>Make good choices to stay safe and healthy</p> <p>Identify risky situations and act responsibly</p> <p>Making the right choices</p> <p>Road safety</p>	<p><b><u>Growing Up</u></b></p> <p>Teach relationships education with this unit, including parts of the body, human reproduction, puberty, healthy relationships.</p>
<b>RE</b>	<p>What do Christians believe about Jesus?</p>	<p>Why is Lent such an important period for Christians?</p>