

**UNIT TITLE: Water Cycle
Unit organiser**

Class 2 - Year 3,4,5 and 6

Knowledge and Skills: The bigger picture

<p align="center">Maths</p> <p align="center">Year 3/4</p>	Reasoning about multiplication, Multiply a 2-digit number by a 1-digit number Link multiplication and division. Divide a 2 digit number by a 1 digit number,	Divide a 2-digit number by a 1-digit number - flexible partitioning, Divide a 2-digit number by a 1-digit number - with remainders Scaling How many Ways?	Measure in meters and centimeters, Measure in millimetres Measure in centimetres and millimetres Metres, centimetres and millimetres	Equivalent lengths (metres and centimetres) Equivalent lengths (centimetres and millimetres) Compare lengths Add lengths	Subtract lengths What is perimeter? Measure perimeter Calculate perimeter
	Divide by 10 Divide by 100 Related facts – multiplication and division Informal written methods for multiplication	Multiply a 2-digit number by a 1-digit number Multiply a 3-digit number by a 1-digit number Divide a 2-digit number by a 1-digit number (1) Divide a 2-digit number by a 1-digit number (2)	Divide a 3-digit number by a 1-digit number Correspondence problems Efficient multiplication Measure in kilometres and metres	Equivalent lengths (kilometres and metres) Perimeter on a grid Perimeter of a rectangle Perimeter of rectilinear shapes	Find missing lengths in rectilinear shapes Calculate the perimeter of rectilinear shapes Perimeter of regular polygons Perimeter of polygons
<p align="center">Maths</p> <p align="center">5/6</p>	Multiply a 2-digit number by a 2-digit number Multiply a 3-digit number by a 2-digit number Multiply a 4-digit number by a 2-digit number Solve problems with multiplication	Short division Divide a 4-digit number by a 1-digit number Divide with remainders Efficient division Solve problems with multiplication and division	Multiply a unit fraction by an integer Multiply a non-unit fraction by an integer Multiply a mixed number by an integer Calculate a fraction of a quantity	Fraction of an amount Find the whole Use fractions as operators Decimals up to 2 decimal places	Equivalent fractions and decimals (tenths) Equivalent fractions and decimals (hundredths) Equivalent fractions and decimals Thousandths as fractions

	<p>Divide any fraction by an integer Mixed questions with fractions Fraction of an amount Fraction of an amount - find the whole</p>	<p>Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures</p>	<p>Add or multiply? Use ratio language Introduction to the ratio symbol Ratio and fractions</p>	<p>Scale drawing Use scale factors Similar shapes Ratio problems</p>	<p>Proportion problems Recipes 1-step function machines 2-step function machines</p>
Reading	<p>Children will be reading Once upon a raindrop accessing inference questions from the text.</p>	<p>Children will be reading Once upon a raindrop accessing retrieval questions from the text.</p>	<p>Children will be reading The Rhythm of the rain accessing retrieval questions from the text.</p>	<p>Children will be reading The Rhythm of the rain accessing inference questions from the text.</p>	
	<p>Whole Class Reading Y3/4 Hunter-gatherers Vocabulary and Word Meaning Retrieval</p> <p>Whole Class Reading Y5/6 The Walrus and the Carpenter Vocabulary Retrieve Infer</p> <p>Y5/6 Guided Reading Give 1 Reason Why</p>	<p>Whole Class Reading Y3/4 A Food Map of the UK Vocabulary and Word Meaning Retrieval</p> <p>Whole Class Reading Y5/6 A Gunner's Day (Poem) Vocabulary</p> <p>Y5/6 Guided Reading Give 2 Reasons Why</p>	<p>Whole Class Reading Y3/4 A Food Map of the UK Summarise</p> <p>Whole Class Reading Y5/6 A Gunner's Day (Poem) Retrieval</p> <p>Y5/6 Guided Reading Cyber Bullying & Medusa Infer Retrieval</p>	<p>Whole Class Reading Y3/4 The Wonderful World of Chocolate Vocabulary Retrieve Summarise</p> <p>Whole Class Reading Y5/6 The Little Smuggler (Poem) Vocabulary Retrieval</p> <p>Y5/6 Guided Reading 3 Marks</p>	<p>Whole Class Reading Y3/4 Assessment</p> <p>Whole Class Reading 5/6 Assessment</p> <p>Y5/6 Guided Reading Guided SATS paper response</p>

<p>Writing</p> <p>3 week narrative writing</p> <p>1 week instructions</p> <p>1 week poetry</p>	<p>Children writing an independent set of instructions on how to wash their own stone age animal.</p>	<p>Children are immersed in non-fiction writing spotting the features and language style. They are also immersed in states of matter and changes to build the knowledge of the water cycle.</p>	<p>Children stack sentences improving their alliteration, questions, use of precise verbs and similies.</p>	<p>Children will be stacking sentences to create a water cycle text.</p> <p>They will focus on scientific explanations, questions, complex sentences and adverbs.</p>	<p>Children will have two final sessions to focus on improving their writing before independently writing their own non-fiction text.</p>
<p>Writing</p> <p>5/6</p>	<p>Nowhere Emporium</p> <p>To plan and write own Wonder</p>	<p>Nowhere Emporium</p> <p>To plan and write own Wonder</p>	<p>Nowhere Emporium</p> <p>Biography</p>	<p>Nowhere Emporium</p> <p>Biography</p>	<p>Nowhere Emporium</p> <p>Diary</p>
<p>Science</p> <p>Forces (3)</p>	<p>What Is a force?</p> <p>I can compare how different things move.</p>	<p>Do objects move the same on different surfaces?</p> <p>I can plan and conduct a fair test to compare how objects move on different surfaces.</p>	<p>How do magnetic forces work?</p> <p>I can explore how magnetic forces act at a distance</p>	<p>Which materials are magnetic?</p> <p>I can compare and group various everyday materials based on whether they are attracted to a magnet.</p>	<p>Do magnets attract each other?</p> <p>I can predict whether two magnets will attract or repel each other.</p>
<p>Science</p> <p>Year 5 & 6</p> <p>Forces (5)</p>	<p>Children understand gravity and how forces start, stop, speed up and slow down movement.</p>	<p>Children learn what gravity is. How it acts and how we use it in life.</p>	<p>Air resistance, water resistance. Children compare and understand how we live with water and air resistance.</p>	<p>Comparing surfaces and friction to see the effect it has. Children are learning when friction is helpful and unhelpful.</p>	<p>Pulleys and levers- children learning that a mechanism is something that allows a small force to be increased into a large force.</p>
<p>Geography</p> <p>Water cycle</p>	<p>Children will be learning about the water cycles. They will be able to describe the water cycle by the end of the lesson.</p>	<p>Children will be learning why water is so important how we use it within school.</p>	<p>Children will be learning how geographers identify the problems associated with water distributions around the world.</p>	<p>Children will be learning how Geographers locate major rivers in the UK and the world.</p>	<p>Children will be learning how Geographers describe a river's journey.</p>

<p>Computing 3/4</p> <p>Code kingdoms</p>	<p>Children make a click based game.</p>	<p>Children make a chase game.</p>	<p>Children use arrow keys.</p>		<p>Children can create their own game.</p>
<p>DT Fairground</p>	<p>Children will be trialing and testing how they can make a simple Cam system work.</p>	<p>Children will be applying their Cam knowledge to develop a mechanism that suits their fairground project.</p>	<p>Children will create an annotated plan and begin construction of their fairground project.</p>	<p>STEM Week; Children will be building their moving fairground mechanisms.</p>	<p>Children will review their fairground mechanisms.</p>
<p>Languages</p> <p>3/4 - animals Memorisation</p>	<p>Children will learn memorisation strategies in French.</p>	<p>Children will learn memorisation strategies in French.</p>	<p>Children will learn je m'appelle, et toi,</p>	<p>Children will learn names in French.</p>	<p>Children will learn to pronounce phonemes I, in, eu, th</p>
<p>Languages</p> <p>5/6 -weather Traditional tales</p>	<p>Children will be describing the weather in French.</p>	<p>Children will be learning how to extend with si and quand.</p>	<p>Children will learn how to use the future tense in French.</p>	<p>Children will learn the phoneme 'a' and 'qu'.</p>	<p>Children will revise hobbies and animals in French.</p>
<p>Music Glockenspiel 1</p>	<p>Children learn B, A and G on the glockenspiel.</p>	<p>Children play the glockenspiels together as a class band.</p>	<p>Children expand their notes learning C, F, D and E</p>	<p>Children will apply their skills and notes to play as a whole class ensemble again.</p>	

PE + Hull FC Gymnastics	Children will be learning to develop their batting skills and start to understand where to hit a ball.	Children will be learning the fielding 'stoop' and refining their catching and throwing skills.	Children will be learning the correct way to bowl a ball using the over arm cricket technique.	Children will be continuing to develop their skills	Children will be combining fielding and bowling to display some understanding of tactics in cricket.
RE The last supper	What does Jesus' death and resurrection mean to Christians?	How do Christians use Lent to prepare for Easter?	What is repentance?	How does the Jewish festival of Pesach fit with the story of Easter?	How do Christians celebrate the resurrection?
PSHE/RSE Dreams and goals	I can tell you about some of my hopes and dreams	I understand that sometimes hopes and dreams do not come true and that this can hurt	I know that reflecting on positive and happy experiences can help me to counteract disappointment	I know how to make a new plan and set new goals even if I have been disappointed	I know how to work out the steps to take to achieve a goal, and can do this successfully as part of a group
PHSE Year 5/6 Dreams and goals	I know my learning strengths and can set challenging but realistic goals for myself (e.g. one in-school goal and one out-of-school goal)	I can work out the learning steps I need to take to reach my goal and understand how to motivate myself to work on these	I can identify problems in the world that concern me and talk to other people about them	I can work with other people to help make the world a better place	I can describe some ways in which I can work with other people to help make the world a better place
Fed Vi- sion/Pledges					