Spring TERM CURRICULUM MAP 2023 **YEAR 6 Willow Class** **TEACHER'S NAME: Mr Wheeldon**

Mathematics programme of study:	**English**	International Primary Curriculum
Ratio Add or multiply? Use ratio language Introduction to the ratio symbol Ratio and fractions Scale drawing Use scale factors Similar shapes and Ratio problems **Algebra** Function and 2-step function machines Form expressions Substitution Formulae Form equations Solve 1/2-step equations Find pairs of values Solve problems with two unknowns **Decimals** Place value within 1 Place value – integers and decimals Round decimals Add and subtract decimals Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000 Multiply decimals by integers and divide decimals by integers Multiply and divide decimals in context **Fractions, decimals and percentages** Decimal and fraction equivalents Fractions as division Understand percentages Fractions to percentages Equivalent fractions, decimals and percentages Order fractions, decimals and percentages Percentage of an amount **Area, perimeter and volume** Shapes – same area Area and perimeter of any triangle or parallelogram Volume – counting cubes and volume of a cuboid	**Skellig** Overall aims of this teaching sequence: To engage children with a story with which they will empathise To enjoy an exciting story with memorable characters •To draw inferences about characters' feelings, thoughts and motives from their actions •To explore themes and issues, and develop and sustain ideas through discussion• To develop creative responses to the text through drama, storytelling and artwork• To write in role in order to explore and develop empathy for characters•To write with confidence for real purposes and audiences **Goodnight Mister Tom** Overall aims of this teaching sequence. • To engage children with a story with which they will empathise. • To explore themes and issues, and develop and sustain ideas through discussion, enabling children to make connections with their own lives. • To develop creative responses to the text through drama, storytelling and artwork. • To compose poetry. • To write in role in order to explore and develop empathy for characters. • To write with confidence for real purposes and audiences. **GRAMMAR and PUNCTUATION** Identify whether a sentence is in the simple present, past or future tense, the present, past or future progressive tense or the perfect present, past or future tense. Say a verb fully conjugated in all tenses. Learn definition of and identify a sentence that is: active/[passive Investigate a word family and revise function of an apostrophe to show contraction/possession **Spellings** Adding suffixes beginning with vowel letters to words ending in -fer Words with a long /e/ sound spelt 'ie' or 'ei' after c (and exceptions) Word families based on common words, showing how words are related in form and meaning Words with endings which sound like /shuhl/ after a vowel letter Words with a 'soft c' spelt /ce/ Word families	**Fairgrounds** In Science, we'll be learning about: • The relationship between forces and movement • Newton's laws of motion • Measuring forces with a Newton meter including gravity • How loops work on rollercoasters • Friction when different surfaces meet • Centripetal and centrifugal forces • Potential and kinetic energy in elastic bands • Simple machines • Magnets and magnetism • Series and parallel circuits • Creating special effects with our knowledge of light • The properties of sound. In Design Technology and Innovation, we'll be learning about: • Designing fairground attractions that use mechanisms and simple machines **Out Of Africa** In Science, we'll be finding out: • How life began in the sea then came out of the sea • How fossils provide information about living things from the past • Why the dinosaurs died out • About the classification of plants and animals • How plants and animals reproduce • How living things evolve and change over time • How plants and animals are adapted to their environment • How adaptation leads to evolution • Whether there is life on other planets In Technology we'll be finding out: • What foods early humans ate, grew and cooked • About prehistoric food and cooking techniques **Computing** To design a playable game with a timer and a score. • To plan and use selection and variables. • To understand how the launch command works. • To use functions and understand why they are useful. • To understand how functions are created and called. • To use flowcharts to create and debug code. • To create a simulation of a room in which devices can be controlled. • To understand how user input can be used in a program. • To understand how 2Code can be used to make a text-adventure game.
Full information is published on our website.	Full information is published on our website.	

R.E.	P.E.	Music	French
Describe and make connections between different features of religions Describe and understand links between stories and communities Describe a range of beliefs, symbols and actions. Explain why there are different groups of Christians.	Play competitive games, modified where appropriate [for example, badminton, basketball, cricket, football, hockey, netball, rounders and tennis], and apply basic principles suitable for attacking and defending	Drumming Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression. Improvise and compose music for a range of purposes using the inter-related dimensions of music	Prepare and practise simple conversations, using familiar vocabulary and structures in new contexts Listen and respond to simple rhymes, stories and songs Listen attentively and understand instructions, everyday classroom language and praise words