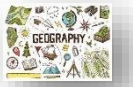
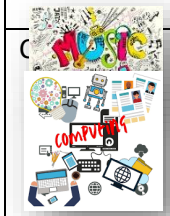
Long Term Year 5 Curriculum Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Science 	Living things & their habitats What are the differences between the life cycle of an insect and a mammal?	Materials How can we recover a substance from a solution?	Materials What are reversible and irreversible changes?	Space How have our ideas of the solar system changed over time?	Animals, including humans How do we change as we age? Why do people get grey/white hair when they get older?	Forces (Gravity, air resistance, water resistance, friction, affects of levers, pulleys, gears)
History 	Power Were all Elizabethan banquets fun? Tudors	Power Was Elizabethan England powerful? Tudors	Pioneering What have the Victorians done for us? Victorians	Pioneering What have the Victorians done for us? Victorians	Culture Was Chamberlin a Brummie hero? Local history Chamberlain	Culture Was Chamberlin a Brummie hero? Local history Chamberlain
Geography 	Place Compare River Severn to River Ganges (UK & Bangladesh floods) What problems can rivers cause?	Place Compare River Severn to River Ganges (UK & Bangladesh floods) What problems can rivers cause?	Sustainability Rivers and canals Compare river cole to canals	Sustainability Rivers and canals Compare river cole to canals	Culture & appreciation Volcanoes- Yellowstone Compare two North American volcanoes.	Culture & appreciation Volcanoes- Yellowstone Compare two North American volcanoes.
DT 		Textiles: Can I design, plan, make and evaluate a bag with a waterproof lining?		Structures: Can I design, make and evaluate a bird feeder?		Food: Can I design, plan, make and evaluate a vegetable curry?

Art 	Collage Create a mosaic using tiles and grout in the style of ancient Greek art.	Drawing Create an image using watercolours in the style of the Pre-Raphaelites.	Sculpture Natural materials	Paintings	Printing	Drawing / pastels
RE 	Computer Science – programming We are game developers Developing an interactive game using Scratch	Computer Science Computational thinking We are cryptographers Cracking code using Scratch	Information Technology Creative Media We are architects Creating a virtual space using Minecraft Education.	Digital Literacy – Online Safety We are web developers Making sense of the internet and building a website	Information Technology Creative Media We are adventure gamers Creating an interactive adventure using presentation software	Information Technology We are VR designers Experimenting with virtual and augmented reality

PSHE 	Children to explain and discuss why Honesty is such a core belief within Christianity analysing separate passages from the bible and the interpretations they can infer from the text. -Comparing reflection as a belief in Christianity in comparison to humanism and the similarities and differences to both. Children can explain the importance of ones of thoughts and how humanists value time for reflection.	Visiting a nature area connecting with a humanist view point and how they can hear and connect with nature and their inner thoughts. Children return and write down their personal experience in connecting with nature, how did it improve their wellbeing, how did it feel similar/different in visiting a religious place of worship/	Recalling of religious artefacts in Christianity compared to Humanist artefacts, are there any? -Passages of the Bible as an artefact compared to that of a humanist view point, I which all things in nature that provides peace can be used as importance. -Traditions of Humanism – empathy, kindness, Humanism weddings marrying those of different faiths and races as we are equal. -Traditions of Christianity, fasting, waving palms on Palm Sunday, eating Fish and bread on Good Friday Christening, Communion in Catholic Church	Explain that for Humanists, it is important to accept personal responsibility for your own actions. You should not try and get away with something even if you were not seen. Humanists believe we should reason and think clearly about our actions. Empathy is also something Humanists consider. Explore Christianity and the idea of creativity within the religion - Watch the video. Jon Cherry is a Christian artist and a student. He paints during Sunday worship at Chawn Hill Church, Stourbridge. He interprets what the pastor is saying adding another dimension to praise and worship.	Comparison of Catholic and Protestant Artefacts. Teach children the two Christian faiths and the similarities and differences between them	Research and understand communion within Catholicism, what is the importance and reasoning behind the celebrations. Who cannot partake in communion and why.

PE 	Resilience Bounce Back	Safety & Anti-bullying	RSE Mental well-being	British Values Rights	Economic well-being	Keeping safe Drugs & alcohol Online safety
Music	OAA Tag Rugby	Football Hand Ball	Gymnastics Tennis	Dance Cricket	Gymnastics Hockey	Dance Athletics
C 	Learning music through song, percussion instruments and the keyboard. The children continue to develop their musical skills through reading notation from the treble clef through simple melodies performed on the keyboard developing their knowledge of pitch, rhythm and duration, tempo, texture and silence through rests. Class1	Learning music through song, percussion instruments and the keyboard. The children continue to develop their musical skills through reading notation from the treble clef through simple melodies performed on the keyboard developing their knowledge of pitch, rhythm and duration, tempo, texture and silence through rests. Class2	Learning music through song, percussion instruments and the keyboard. The children continue to develop their musical skills through reading notation from the treble clef through simple melodies performed on the keyboard developing their knowledge of pitch, rhythm and duration, tempo, texture and silence through rests. Class3	Consolidation and continued improvement using more complex songs, instrumental pieces and composing tasks. They continue to learn the importance of ensemble techniques (paired work and class performances) and good listening skills. Class 1	Consolidation and continued improvement using more complex songs, instrumental pieces and composing tasks. They continue to learn the importance of ensemble techniques (paired work and class performances) and good listening skills. Class 2	Consolidation and continued improvement using more complex songs, instrumental pieces and composing tasks. They continue to learn the importance of ensemble techniques (paired work and class performances) and good listening skills. Class 3
Mandarin 	Investigating Chinese characters • History of Chinese characters	My birthday • Key words and sentences for mid-	More family members and animals • Pets and animals • More family members	More body parts and food and drink items • More parts of the body	Where I live • Laces in town • Places to visit • Countries • Nationalities	Revision and assessment • Revision • End of year assessment

	• Radicals • Strokes Classroom objects	Autumn festival • Festivals and celebrations in China Months and dates	Chinese new year traditions and customs	• Food and drink items Ordering food in a Chinese restaurant	colours	Cultural project
Reading  	WCR: Texts linked to wider curriculum M-W Class story- Th Book Talk Class Story- F	WCR: Texts linked to wider curriculum M-W Class story- Th Book Talk Class Story- F	WCR: Texts linked to wider curriculum M-W Class story- Th Book Talk Class Story- F	WCR: Texts linked to wider curriculum M-W Class story- Th Book Talk Class Story- F	WCR: Texts linked to wider curriculum M-W Class story- Th Book Talk Class Story- F	WCR: Texts linked to wider curriculum M-W Class story- Th Book Talk Class Story- F
Writing  	The most dangerous animal in the world Poem Non-Chronological Report- Emperor Penguins	The Explorer Story Instructions A Tudor recipe	Street Child Story Speech-Plastic Pollution	Cosmic- Story Biography- Isambard Kingdom Brunel	Animation planning- Story Newspaper- Escape from Pompeii	Alan Bold Seasons Poem Screen or no screen- Balanced Argument
Maths  	Place Value Addition and Subtraction Roman Numerals Numbers to 1000000 Powers of 10 Rounding	Multiplication and Division Fractions Factors Prime Square / cube Multiply and divide 10, 100, 1000	Multiplication and Division Fractions Decimals and Percentages Multiply a 4-digit by 2-digit Divide a 4-digit by 1-digit	Decimals and Percentages Perimeter and Area Statistics Fractions of an amount Decimals up to 2 d.p Equivalent thousandths	Shape Position and Direction Decimals Classifying / measuring angles Regular and irregular polygons Coordinates	Decimals Negative Numbers Converting Units Volume Compare and order negative numbers

	Add and subtract 4-digit numbers Multi-step problems	Multiply mixed numbers / non-unit fractions Fractions of an amount	Divide with remainders Multiply mixed numbers and non-unit fractions Fractions of an amount Decimals up to 2 d.p Equivalent thousandths Fractions, decimals and percentages	Fractions, decimals and percentages Perimeter of polygons Area of compound shapes Line graphs Timetables	Translations Symmetry Add and subtract decimals across 1 Multiply and divide 10, 100, 1000 Complements to 1	Converting units of length/ weight and time Calculate with timetables Estimate and compare volume and capacity