



The Year 5 Whitley Curriculum - Long Term Plan 2022-23

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Value	Generosity	Compassion	Courage	Forgiveness	Friendship	Respect
Core Book	Around the World in 80 days - Rob Alcroft (Jules Verne)	Rose Blanche - Ian McEwan	Beowulf - Michael Morpurgo	Explorer - Kathryn Rundell	Holes - Louis Sachar	Hidden Figures - Margot Lee Shetterly
English	Fiction: narrative Non-fiction: Persuasive writing	Fiction: narrative Non-fiction: Debate / discussion	Fiction: Myths & Legends Non-fiction: Obituary Poetry: Kennings	Fiction: Adventure story Non-fiction: Diary / non-chronological report	Non-fiction: Newspaper reports, postcards Poetry (narrative): The highway man	Fiction - narrative Non-fiction: Biography
Maths	Decimal Fractions, Money	Negative numbers, short multiplication, short division	Area and scaling, calculating with decimal fractions	Calculating with decimal fractions, Factors, multiples and primes	Fractions	Converting units, angles
Science	Earth and space. What is earth's place in space? The movement of the Earth and other planets relative to the sun in the solar system. The movement of the moon relative to the Earth.	Forces How strong is gravity? Gravity and the effects of air resistance, water resistance and friction; mechanisms including levers, pulleys and gears.	Materials - Working Scientifically Why do we use glass in windows? Investigate everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets.	Materials - Working Scientifically How can we clean our dirty water? Planning enquiries, identifying variables, using equipment, collecting and analysing data.	Animals including humans How did Usain Bolt become so fast? The human circulatory system, and functions of the heart, blood vessels and blood. the impact of diet, exercise, drugs and lifestyle on the way bodies function. How nutrients and water are transported within animals.	Living things and their habitats. Why don't humans lay eggs? Differences in the life cycles of a mammal, an amphibian, an insect and a bird; the life process of reproduction in some plants and animals.
RE	U2.11 Why do some people believe in God and some people do not?	U2.4 Was Jesus the Messiah?	U2.1 What does it mean if God is holy and loving?	U2.6 What did Jesus do to save human beings?	U2.14 How do religions help people live through good times and bad times?	U2.10 What does it mean for a Jewish person to follow God?

Computing	Sharing Information E-Safety Computing systems and networks.	Video Editing Making and sharing videos, including e-safety.	Flat-File Databases Managing information, Paper and computer databases.	Programming - Selection in Physical Computing Crumble controllers Coding	Vector Graphics Using drawing tools in computer applications.	Programming - Selection in Quizzes Using selection in computer programming. Coding, Ozobots
Geography / History	Why is Fair Trade fair? Climate zones, biomes and vegetation belts Settlement and land use, economic activity including trade links and distribution of natural resources	Why was winning the battle of Britain in 1940 so important? A study of an aspect or theme in British history	Why are mountains so important? Physical and human characteristics of Europe, North America and South America UK Economic activity and distribution of natural resources	Why did the Maya change the way they live? Mayan Civilisation. The achievements of the earliest civilisations - an overview of where	What is a river? Physical and human characteristics of Europe, North America and South America, UK. The distribution of natural resources	What significant events affected Bedlington in Northumberland? A Local History Study
Arts and Design	Retro -futurism - space inspired art. Sketch book - observations, drawing, sketching, painting, chalk, oil pastel, perspective.	Painting and mixed media: portraits. Investigating self-portraits by a range of artists, children use photographs of themselves to their own self-portraits in mixed-media.	Sculpture and 3D - Dragon eyes Sketch book, observational drawing, preparatory work, experimentation, shape, form, model.	Sculpture and 3D - Dragon eyes Sketch book, observational drawing, preparatory work, experimentation, shape, form, model.	Craft and design: architecture Investigating the built environment through drawing and printmaking	Craft and design: architecture Investigating the built environment through drawing and printmaking
Design Technology	Mechanical systems: Pop up books Create a functional four-page pop-up storybook design, using lever, sliders, layers and spacers to create paper-based mechanisms	Textiles: Stuffed toys. Design a stuffed toy and make decisions on materials, decorations and attachments (appendages), after learning how to sew a blanket stitch	Digital World: Monitoring devices Program a Micro: bit animal monitoring device. Develop 3D CAD skills by learning how to navigate the Tinkercad interface.	Electrical systems: Doodlers Explores series circuits further and introduces motors.	Structure: Bridges Test and analyse various types of bridge to determine their strength and stability	Food: What could be healthier? Discover the farm to fork process, understand the key welfare issues for rearing cattle. Compare the nutritional value of existing sauces and develop a healthier recipe.
PSHE, RSE	Me and my relationships Feelings, emotions, conflict resolution and friendships.	Valuing difference British values focus	Keeping myself safe Aspects of safe internet use, drugs and relationship education	Rights and responsibilities Money, living in wider world, environment.	Being my best Keeping healthy, growth mind set, goal setting achievement	Growing and changing RSE related issues
PE	NUFC: Multi-skills Real PE Unit: Personal	Dance/gymnastics Real PE Unit: Social	Morpeth: Swimming Real PE Unit: Cognitive Invasion games	Kielder: Swimming Real PE Unit: Creative Rugby	Morpeth: Swimming Real PE Unit: Applying physical. Net games	Kielder: Swimming NUFC: Athletics and Fitness Real PE Unit: Health and fitness

Music	Living on a Prayer - Rock anthems	Classroom Jazz 1 - Jazz and improvisation Christmas performances.	Make You Feel My Love - Pop ballads	The Fresh Prince of Bel-Air - Old school hip hop	Dancing in the street - Motown	Reflect, rewind, replay - the history of music.
MFL	Mon ecole et moi	Mon ecole et moi	Qu'est-ce que tu veux?	Qu'est-ce que tu veux?	Les Sports	Les Sports
Enrichment	Jungle Book Performance Flavours of Italy - food tasting. Harvest service.	Eucharist service. Christmas events.	Restart a heart (tbc).	<i>Eucharist service.</i>	Plessey Woods - orienteering, den building, problem solving	Sports Day Financial maths - NUFC