

Class 4 (Year 5&6) Curriculum Map

Year A	Autumn Term: We are united/Crime and Punishment		Spring Term: Biomes/Space		Summer Term: Amazing Americas/ Leisure and entertainment	
English	F - Story Path NF - Stuff you should know	F - The shadow cage P - Bethlehem	NF - Pandora F - 500 Words	NF - Jungle survival handbook	F - The chronicles of Harris Burdick	F - Ruin
Maths White Rose Rising Stars	Place value Addition and subtraction Multiplication and division Statistics Perimeter, area and volume	Number sense (3 weeks) Additive reasoning (3 weeks) Multiplicative reasoning (3 weeks) Geometric reasoning (2 weeks) Number sense (2 weeks)	Fractions Decimals and Percentages Multiplication and division Algebra and ratio	Additive reasoning (3 weeks) Number sense (3 weeks) Multiplicative reasoning (3 weeks) Geometric reasoning (2 weeks) Number sense (2 weeks)	Converting units Geometry - Position and direction Properties of shape Investigations	Additive reasoning (3 weeks) Number sense (2 weeks) Multiplicative reasoning (3 weeks) Geometric reasoning (3 weeks)
Science	Properties and changes of materials (Y5) Vocab: Hardness , Solubility, Transparency, Conductivity (electrical and thermal), Response to magnets, Dissolve/dissolving, Solution, Substance, Solids, liquids, gasses, Separated , Filtering, Sieving, Evaporation, Reversible changes, Formation , Burning, Action of acid on bicarb of soda, Systematic, Melting, Processes, Burning, Rusting, Reactions Working scientifically: - Exploring and comparing the properties of materials. - Explore reversible changes and changes that are difficult to reverse. Magenta - arrange (solid/liquid/gas)	Forces (Y5) Vocab: Unsupported, gravity, air resistance, water resistance, friction, mechanisms, levers, pulleys, gears, theory of gravitation Working scientifically: - Exploring falling paper cones/cupcake cases. - Carrying out fair tests - Explore resistance in water	Earth and Space (Y5) Vocab: Planet names, sun, moon, star, solar system, centre, Pluto as dwarf planet, celestial body, orbit, spherical, relative, rotation, geocentric model, heliocentric model, Working scientifically: - Comparing the time of day at different places on the earth. - Simple models of solar system.	Living things and their habitats (Y5) Vocab: Mammal, amphibian, insect, bird, life cycle, sexual reproduction, asexual reproduction, life process, local environment, naturalists, animal behaviourists, seeds, stem, root cutting, tubers, bulbs Working scientifically: - Observing and comparing the life cycles of plants and animals. - Asking pertinent questions and suggesting reasons for similarities and differences - Observe changes in an animal over a period of time. - Compare hw different animals reproduce and grow.	Scientists and inventors (Y5) Vocab: - naturalists, behaviourist, support/refute, technicians, evidence, chromatography Working scientifically: - Plan scientific enquiries to answer questions - Test results and make predictions.	Animals including humans (Y5) Vocab: Old age, stages in growth, puberty, gestation periods Working scientifically: - Research gestation periods - Recording length and mass of a baby as it grows.
D&T	Mechanisms - cams Automata Animals (Twinkl) Vocab: Design - research, develop, criteria, functional, appealing, products, fit for purpose, evaluate, develop, model, communicate, annotate, sketch, cross-section, exploded diagram, prototypes, computer-aided design Make - tools, equipment, cutting, shaping, joining, finishing, accuracy, tools, components, construction materials, textiles, functional properties, aesthetic properties. Evaluate - investigate, analyse, products, design criteria		Computing Programming Adventures (Twinkl) Vocab: Design - research, develop, criteria, functional, appealing, products, fit for purpose, evaluate, develop, model, communicate, annotate, sketch, cross-section, exploded diagram, prototypes, computer-aided design Make - tools, equipment, cutting, shaping, joining, finishing, accuracy, tools, components, construction materials, textiles, functional properties, aesthetic properties. Evaluate - investigate, analyse, products, design criteria Program, monitor, control		Cooking and nutrition Caribbean Fruit Salad Vocab: Design - research, develop, criteria, functional, appealing, products, fit for purpose, evaluate, develop, model, communicate, annotate, sketch, cross-section, exploded diagram, prototypes, computer-aided design Make - tools, equipment, cutting, shaping, joining, finishing, accuracy, tools, components, construction materials, textiles, functional properties, aesthetic properties. Evaluate - investigate, analyse, products, design criteria Nutrition, healthy eating, varied diet, sweet/savoury, seasonality, ingredients, reared, caught, processed, cut, slice, dice, mash, sieve, pour, whisk, peel, grate, blend.	
Art	Printing - Dan Mather (Y5) combining prints, design prints, make connections, discuss and evaluate own work and that and others. (Y6) build up drawing and images of whole or part of items using various techniques, screen printing, explore printing techniques used by various artists		Pattern - Peter Thorpe (Y5) create own abstract pattern to reflect personal experiences and expression, create pattern for purposes. (Y6) create own abstract pattern to reflect personal experiences and expression, create pattern for purposes.		Colour - Ben Mosley - Drawing crowds at sporting events (Y5) hue, tint, tone, shades and mood, explore the use of texture in colour, colour for purposes (Y6) hue, tint, tone, shades and mood, explore the use of texture in colour, colour for purposes, colour to express feelings.	
Computing	1. Using and applying 2. Flowol Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. Internet Safety SPAM/Sites to cite		1. Scratch and developing games 2. 3D Modelling and Sketch up Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. Use sequence, selection, and repetition in programs; work with variables and various forms of input and output. Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs Internet Safety Powerful passwords/False photography		1. Radio station 2. Internet research and web page design Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration. Internet Safety Online safety story/Online safety comics	

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History	Crime and punishment Vocab: Crime, punishment, chronological, social history, legacy, roman justice system, Anglo Saxon, Tudor, Victorian, historical sources, wergild, trail by ordeal, tithing's, hue and cry, treason, hard labour, highwayman, crime prevention, detection, present day, status, society, slave, noble, legal system, prisoner Historical aims: - Develop a chronologically secure knowledge of British history. - Understand how our knowledge of the past is constructed form a range of sources that give a range of versions of past events. Magenta - arrange (target board - worst crime/worst punishment, match crime to punishment) Is killing always wrong?		Local history: Exeter (Romans) Vocab: Romans (bath house), cathedral, WWII, blitz, air raids, targeting, Baedeker blitz, regenerate, gothic, Georgian, quay, canal, transport, bardge, cargo, Brunel (Oldest working steam boat in the world 1844 'Bertha') Historical aims: - Understand how our knowledge of the past is constructed form a range of sources that give a range of versions of past events. - Understand historical concepts such as continuity and change, cause and consequence, similarity/difference and significance.		Leisure and entertainment Vocab: 20 th century, popularity, cinema, nation, social and cultural importance, swinging sixties, holiday camp, emerged, impact, technology, Billy Butlin, film posters, attracting audiences, leisure, entertainment, modern lifestyles, decade, FA cup, hat trick, broadcast, coronation, talkie, software, Historical aims: - Note connections, contrasts and trends over time and develop the appropriate use of historical terms. - Develop a chronologically secure knowledge of British history. - Understand how our knowledge of the past is constructed form a range of sources that give a range of versions of past events.	
Geography	Name & locate counties, cities, regions & features of the UK Vocab: 4 countries, capital cities, area, life expectancy, population, county (names of all counties), region, town, city (names of major UK cities), hill, mountain (names of major hills and mountains in the UK), coastline, seas, oceans, source, mouth, delta, tributary (names of major rivers in Britain) Geographical skills: - Use of ordinate survey maps, - reading symbols and keys - use maps, atlases, globes to describe featured studied. Magenta - arrange (capital city, population, life expectancy), connect (rivers/place names - Exmouth, Exmoor, Dart, Yeo).		Biomes, vegetation belts, land use, economic activity, distribution of resources etc (Fair Trade) Vocab: Biome, vegetation, wildlife, climate, indigenous people, names of biomes, light, water, nutrients, habitat, organisms, water cycle, condensation, evaporation, precipitation, photosynthesis, eco system, adaption Geographical skills: - use maps, atlases, globes to locate countries and describe features studied.		Study a region of Europe & America: Amazing Americas Vocab: Continent, landmass, N America, S America, physical features, climate, tourist, destination, travel brochure, accommodation, tourist attraction, names of countries, cities & states, latitude, landscape, Geographical skills: - use maps, atlases, globes to locate countries and describe features studied.	
MFL	Spanish - Scheme of Work, Years 5 & 6 (La Jolie Ronde)		Spanish - Scheme of Work, Years 5 & 6 (La Jolie Ronde)		Spanish - Scheme of Work, Years 5 & 6 (La Jolie Ronde)	
Music	African Drumming (Great Hall CLC Concert) Vocab: Bass (dun), tone (tek), slap, Djembe, Shekere, Caixixi, rhythm, steady beat, bar, metre Musical Dimensions Duration - Identify and begin to understand more complex rhythm patterns and metres including counting in 6 and possibly 8. Tempo - Understand how a wide range of tempi can be precisely used and manipulated for expressive effect.		BBC 10 Pieces Vocab: Musical Dimensions Texture - Extend the use of simple harmony to include consonant and dissonant clusters or notes and simple chords as accompaniments. Structure - Explore and use a wider range of developmental structures (e.g. ternary and rondo) and expressive structures (e.g leitmotif)		Brass Vocab: Trumpet, cornet, trombone, valve, slide, mouth piece, buzz, embouchure, tonging, pitch, step, leap, high, low Musical Dimensions Pitch - Explore and recognise a range of different scale patterns including pentatonic, major and minor and could extend to modes and chromatic. Timbre - Identify instruments in the wider family of those being learnt.	
PE	Swimming Gym - forces (push, pull, twist) Tag Rugby Tennis CLC Tag rugby Competition		Gymnastics - Yoga Dance - Space Hockey Netball OAA - Residential Week CLC - Netball		Dance - Cheerleading Gymnastics - circuit training Cricket/Rounders Athletics Sandford Cricket Tournament Hub netball/football competition CLC - Athletics Sports Afternoon	
RE Devon and Torbay RE Syllabus Y5 Units	U2.8 What does it mean to be a Muslim in Britain today? U2.3 Incarnation: Was Jesus the Messiah? Christmas		U2.1 God: What does it mean if God is Holy and Loving? U2.9 Why is the Torah so important to Jewish people?		U2.4 Gospel: What would Jesus do? U2.11 Why do some people believe in God and some people not?	
Jigsaw (PSHE) Vocab identified on weekly planning	Being me in my world	Celebrating difference	Dreams and goals	Healthy me	Relationships	Changing me

Class 4 (Year 5&6) Curriculum Map

Year B	Autumn Term: Mountains/Ancient Greeks		Spring Term: Ancient Mayans/Rainforests		Summer Term: Amazing Planet Earth/Vikings and Dragons	
English	NF - The Usborne Illustrated Thesaurus P - Where my wellies take me	F - Greek Myths F - Story world: Christmas Tales	F - The Tear Thief NF - Incredible edibles	F - The Wizard of Earthsea NF - Everything that you need to know about snakes	F - Shackleton's Journey	NF - Dragonology
Maths White Rose Rising Stars	Place value Addition and subtraction Multiplication and division Statistics Perimeter, area and volume Number sense (3 weeks) Additive reasoning (3 weeks) Multiplicative reasoning (3 weeks) Geometric reasoning (2 weeks) Number sense (2 weeks)		Fractions Decimals and Percentages Multiplication and division Algebra and ratio Additive reasoning (3 weeks) Number sense (3 weeks) Multiplicative reasoning (3 weeks) Geometric reasoning (2 weeks) Number sense (2 weeks)		Converting units Geometry - Position and direction Properties of shape Investigations Additive reasoning (3 weeks) Number sense (2 weeks) Multiplicative reasoning (3 weeks) Geometric reasoning (3 weeks)	
Science	Light (Y6) Vocab: Reflect/reflection, light source, shadows, phenomena, coloured filters Working scientifically: - Investigate relationships between light sources, objects and shadows. -Look at a range of phenomena including rainbows and explain why these occur.	Evolution and inheritance (Y6) Vocab: Fossils, inhabited, offspring, identical, adaption, environment, evolution, characteristics, variation, adaptive traits Working scientifically: - Identify scientific evidence that has been used to support of refute ideas or arguments.	Electricity (Y6) Vocab: Voltage, Cells, Components, Series circuit, Circuit diagram, brightness, volume, buzzer, switches, symbols, simple series circuits, bulb, motor, necessary precautions Working scientifically: - Systematically identifying the affect of changing one component at a time in a circuit.	Living things and their habitats (Y6) Vocab: Classify, classification, Common Observable characteristics, Similarities, Differences, Micro-organisms, Invertebrates (insects, spiders, snails, worms), vertebrates (fish, amphibians, reptiles, birds, mammals), specific characteristics, sub-divided, direct observations, pioneer of classification Working scientifically: - Use classification systems and keys to identify some animals from plants. - Research unfamiliar animal and plants from a broad range of habitats.	Animals including humans (Y6) Vocab: Human circularity system, function, heart, blood vessels, blood, impact of diet, exercise, drugs, lifestyle, nutrients, transported, internal organs & main body parts e.g. skeletal, muscular, digestive system, healthy, substances, Working scientifically: - Explore the work of scientists and scientific research about the relationship between diet, exercise, drugs, lifestyle and health.	Scientists and inventors (Y6) Vocab: Black holes, Structure of DNA, Support, refute, penicillin, Working scientifically: - Recording data using scatter graphs. - Identifying evidence
D&T	Food and nutrition Gingerbread Houses (Planbee) Vocab: Design - research, develop, criteria, functional, appealing, products, fit for purpose, evaluate, develop, model, communicate, annotate, sketch, cross-section, exploded diagram, prototypes, computer-aided design Make - tools, equipment, cutting, shaping, joining, finishing, accuracy, tools, components, construction materials, textiles, functional properties, aesthetic properties. Evaluate - investigate, analyse, products, design criteria Nutrition, healthy eating, varied diet, sweet/savoury, seasonality, ingredients, reared, caught, processed, cut, slice, dice, mash, sieve, pour, whisk, peel, grate, blend.		Electrical Make a solar powered device (sustainability linked to rainforests) Vocab: Design - research, develop, criteria, functional, appealing, products, fit for purpose, evaluate, develop, model, communicate, annotate, sketch, cross-section, exploded diagram, prototypes, computer-aided design Make - tools, equipment, cutting, shaping, joining, finishing, accuracy, tools, components, construction materials, textiles, functional properties, aesthetic properties. Evaluate - investigate, analyse, products, design criteria Switch, bulb, buzzer, motor, wire		Structures/Construction Apply understanding of how to strengthen, stiffen and reinforce more complex structures. Marbulous structures - twinkl Vocab: Design - research, develop, criteria, functional, appealing, products, fit for purpose, evaluate, develop, model, communicate, annotate, sketch, cross-section, exploded diagram, prototypes, computer-aided design Make - tools, equipment, cutting, shaping, joining, finishing, accuracy, tools, components, construction materials, textiles, functional properties, aesthetic properties. Evaluate - investigate, analyse, products, design criteria Stiffen, strengthen, reinforce	
Art	Form - Ancient Greek Clay pots (Y5) plan and develop ideas, shape, form, model and join, observation or imagination, properties of media, discuss and evaluate own work and that of other sculptor. (Y6) plan and develop ideas, shape, form, model and join, observation or imagination, properties of media, discuss and evaluate own work and that of other sculptor.		Drawings - David Hockney (Y5) effect of light on objects and people from different directions, interpret the texture of a surface, produce increasingly accurate drawings of people, concept of perspective. (Y6) effect of light on objects and people from different directions, interpret the texture of a surface, produce increasingly accurate drawings of people, concept of perspective.		Texture - Making fabric out of carrier bags and jay cloths (Y5) use stories, music, poems as stimuli, select and use materials, embellish work, fabric making, artists using textiles, (Y6) develop experiences in embellishing, apply knowledge of different techniques to express feelings, work collaboratively on larger scales.	
Computing	1. Spreadsheets 2. Using and applying Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.		1. Kodo programming (double unit) Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration. Internet Safety People online/girls and boys online		1. Scratch: Animated stories 2. Film Making Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. Use sequence, selection, and repetition in programs; work with variables and various forms of input and output. Use logical reasoning to explain how some simple algorithms work and to detect and	

Class 4 (Year 5&6) Curriculum Map

	Internet Safety Cyber bullying/Secure websites			correct errors in algorithms and programs	
History	Ancient Greece Vocab: Empire, democracy, politics, city states, battle, Athens, Persia, hoplite, Olympics, Marathon, battle formation, archer, Corinthians, Argos, Trojan Historical aims: - Gain and deploy a historically grounded understanding of abstract terms. e.g. Civilized terms. - Frame historically valid questions.		Mayan civilization Vocab: Warrior, squash, maize, avocado, beans, chilli peppers, calendar, hieroglyph, pyramid, stelae, priest, mayan, civilization, gods, beliefs, number system , maya people, tortilla, chocolate, central America, Mesoamerica, Fredrick Catherwood, ruins, explorer, camera lucida, lithograoghy, Chichen Itza, Historical aims: - Address and devise historically valid questions about change, cause, similarities and difference and signifcance. - Construct informed responses - Organise relevant historical information.	Anglo Saxons and Vikings Vocab: Viking, Anglo Saxon, invade, invasion, settle, the Viking age, justice system, punishment, law, attack, Danegeld, Wergild, religion, cultural traditions, raiders, treaty, Danelaw, dispute, Futhark, runes, The battle of Hastings, Normandy, longhouse, longboat, saga. Historical aims: - Address and devise historically valid questions about change, cause, similarities and difference and signifcance. - Construct informed responses that involve thoughtful selection and organisation of relevant historical information.	
Geography	Mountains Vocab: Formation, dome mountain, volcanic mountain, plateau mountain, fault-block mountain, fold mountain, mountain range, Geographical skills: - Use maps, atlases, globes to locate countries and describe features studied. - Use the 8 points of a compass and 4 and 6 figure grid references, symbols and keys on ordinate survey maps.		Rainforests Vocab: Tropical, layers, animal inhabitants, unique, Amazon, conservation, destruction, name the countries where rainforest are found, equator, tropical climate, name the layers of the rainforest, deforestation, tropic of cancer, tropic of Capricorn, weather, Geographical skills: - Use maps, atlases, globes to locate countries and describe features studied. - Use fieldwork to observe, measure and record human ad physical features in the local area.	Amazing planet earth Vocab: Latitude and longitude, equator, northern hemisphere, southern hemisphere, tropics, polar circles, time zones, tropic of cancer, tropic of Capricorn, Arctic and Antarctic circle, prime/Greenwich meridian . Geographical skills: - Use maps, atlases, globes to locate countries and describe features studied. - Use symbols and keys in order to build their understanding of the wider world..	
MFL	Spanish - Scheme of Work, Years 5 & 6 (La Jolie Ronde)		Spanish - Scheme of Work, Years 5 & 6 (La Jolie Ronde)	Spanish - Scheme of Work, Years 5 & 6 (La Jolie Ronde)	
Music	Ukulele Vocab: Pluck/pick, strum, tremolo, note/chord names, ostinato, body, neck, head, fretboard, strings, solo, tutti, ensemble unison, repeated section. Musical Dimensions Texture - Use simple harmony including chords with greater awareness and understanding. Timbre - Identify instruments in the wider family of those being learnt.		Steel pan drums (Great Hall Concert) Vocab: Chord strum, mallet, Bamboo Tamboo, pitch, step, leap, high, low, piano, forte, crescendo, diminuendo Musical Dimensions Pitch - Explore and recognise a range of different scale patterns including pentatonic, major and minor and how they influence music. Dynamics - Understand how a range of dynamics can be precisely used and manipulated for expressive effect.	Samba Vocab: Surdo, Caixa, Repinique, Agogo Bells, Ganza, Tamborim, grove, call and response, call and copy, solo, break, rhythm, steady beat, bar, metre Musical Dimensions Duration - Identify and begin to understand more complex rhythm patterns and metres including counting in 6 and possibly 8. Tempo - Understand how a wide range of tempi can be precisely used and manipulated for expressive effect.	
PE	Swimming Circuit training Tag Rugby Volley Ball CLC Tag rugby Competition		Dance - Electricity - Journey of a spark Gymnastics - Shape Badminton Basketball CLC - Netball	Dance - Shackleton's Journey Gymnastics - Jumps leaps and turns Cricket/Rounders Athletics Sandford Cricket Tournament Hub netball/football competition CLC - Athletics Sports Afternoon OAA - Activities Week	
RE Devon and Torbay RE Syllabus Y6 Units	U2.7 Why do Hindus want to be good? (Double unit)		U2.2 Creation/Fall: Creation &Science - Conflict or Complimentary? U2.5 Salvation: What did Jesus do to save Human Beings? Easter		U2.6 Kingdom of God: What kind of King is Jesus? U2.12 How does faith help people when life gets hard?
Jigsaw (PSHE) Vocab identified on weekly planning	Being me in my world	Celebrating difference	Dreams and goals	Healthy me	Relationships Changing me