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| **Year A** | Autumn Term:**Amazing Americas/Biomes** | Spring Term:**Earth and Space** | Summer Term:**Ancient Greece/Sport and Leisure (incl The Olympics)** |
| **English** | F - Story PathNF – Jungle Survival Handbook | NF – Dragonology P – Jabberwocky | NF – PandoraF – 500 Words | NF –  | F – The chronicles of Harris Burdick | F - Ruin |
| **Maths**White RoseRising Stars | Place value Number sense (3 weeks)Addition and subtraction Additive reasoning (3 weeks)Multiplication and division Multiplicative reasoning (3 weeks)Statistics Geometric reasoning (2 weeks)Perimeter, area and volume Number sense (2 weeks) | Fractions Additive reasoning (3 weeks)Decimals and Percentages Number sense (3 weeks)Multiplication and division Multiplicative reasoning (3 weeks)Algebra and ratio Geometric reasoning (2 weeks) Number sense (2 weeks) | Converting units Additive reasoning (3 weeks)Geometry – Position and direction Number sense (2 weeks)Properties of shape Multiplicative reasoning (3 weeks)Investigations 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. Can I plan different types of scientific enquires to answer questions recognising and controlling variables where new necessary? Can I take measurements; use a range of scientific equipment, with increasing accuracy and repeat readings when appropriate?  | **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.Can I identify how animals and plants are adapted to their environment in different ways?Can I research unfamiliar animals and plants from a broad range of habitats? Can I describe the differences in the life cycle of a mammal, an amphibian, an insect and a bird?Can I describe the life process of reproduction in some plants and animals? | **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.  | **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. | **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 | **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 designMake – 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 designMake – tools, equipment, cutting, shaping, joining, finishing, accuracy, tools, components, construction materials, textiles, functional properties, aesthetic properties.Evaluate – investigate, analyse, products, design criteriaProgram, 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 designMake – tools, equipment, cutting, shaping, joining, finishing, accuracy, tools, components, construction materials, textiles, functional properties, aesthetic properties.Evaluate – investigate, analyse, products, design criteriaNutrition, healthy eating, varied diet, sweet/savoury, seasonality, ingredients, reared, caught, processed, cut, slice, dice, mash, sieve, pour, whisk, peal, grate, blend. |
| **Art** | **Printing – Dan Mather/William Morris** (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 SafetySPAM/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 programsInternet SafetyPowerful 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 SafetyOnline safety story/Online safety comics |
| **History** |  | **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:**20th 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** | **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, **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:**On a world map, can I locate the main countries of North and South America and their capital cities?Can I identify the position and significance the Northern and Southern Hemisphere and the Arctic and Antarctic circles? Can I identify the position and significance of Equator and the Tropics of Cancer and Capricorn? Can I identify the position and significance of latitude, longitude and the Greenwich Meridian and time zones? Can I identify their main environmental regions, key physical and human characteristics, and major cities? On a world map, can I locate areas of similar environmental regions, including desert, rainforest or temperature regions?Can I describe and understand key aspects of physical geography, including: climate zones, biomes?  |  |  |
| **Music** | **Charanga** | **BBC 10 Pieces**Vocab:Musical DimensionsTexture – 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, lowMusical DimensionsPitch – 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** | DanceGym – Yoga High 5 Netball | Gymnastics – forces (push, pull, twist)Dance – SpaceTag Rugby | SwimmingCricket/RoundersAthletics |
| **RE**Devon and Torbay RE Syllabus Y5 Units | U2.4 Gospel: What would Jesus do?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? | U2.8 What does it mean to be a Muslim in Britain today?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  |

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| **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 ThesaurusP – Where my wellies take me | F - Greek MythsF - Story world: Christmas Tales | F – The Tear ThiefNF - Incredible edibles | F - The Wizard of EarthseaNF – Everything that you need to know about snakes | F - Shackleton’s Journey | NF - Dragonology |
| **Maths**White RoseRising Stars | Place valueAddition and subtractionMultiplication and divisionStatisticsPerimeter, area and volumeNumber sense (3 weeks)Additive reasoning (3 weeks)Multiplicative reasoning (3 weeks)Geometric reasoning (2 weeks)Number sense (2 weeks) | FractionsDecimals and PercentagesMultiplication and divisionAlgebra and ratioAdditive reasoning (3 weeks)Number sense (3 weeks)Multiplicative reasoning (3 weeks)Geometric reasoning (2 weeks)Number sense (2 weeks) | Converting unitsGeometry – Position and directionProperties of shapeInvestigations 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 designMake – tools, equipment, cutting, shaping, joining, finishing, accuracy, tools, components, construction materials, textiles, functional properties, aesthetic properties.Evaluate – investigate, analyse, products, design criteriaNutrition, healthy eating, varied diet, sweet/savoury, seasonality, ingredients, reared, caught, processed, cut, slice, dice, mash, sieve, pour, whisk, peal, 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 designMake – tools, equipment, cutting, shaping, joining, finishing, accuracy, tools, components, construction materials, textiles, functional properties, aesthetic properties.Evaluate – investigate, analyse, products, design criteriaSwitch, 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 designMake – tools, equipment, cutting, shaping, joining, finishing, accuracy, tools, components, construction materials, textiles, functional properties, aesthetic properties.Evaluate – investigate, analyse, products, design criteriaStiffen, 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.Internet SafetyCyber bullying/Secure websites | 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 SafetyPeople 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 correct errors in algorithms and programsInternet SafetySmart bots/Let’s get quizzical |
| **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 significance.- 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 significance.- 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.. |
| **Music** | **Ukulele**Vocab:Pluck/pick, strum, tremolo, note/chord names, ostinato, body, neck, head, fretboard, strings, solo, tutti, ensemble unison, repeated section.Musical DimensionsTexture – 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, diminuendoMusical DimensionsPitch – 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, metreMusical DimensionsDuration – 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** | SwimmingCircuit trainingTag RugbyVolley BallCLC Tag rugby Competition | Dance – Electricity - Journey of a spark Gymnastics – ShapeBadmintonBasketballCLC - Netball | Dance - Shackleton’s JourneyGymnastics – Jumps leaps and turnsCricket/RoundersAthleticsSandford Cricket TournamentHub netball/football competitionCLC - Athletics Sports AfternoonOAA – 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  |