 Year 5 Curriculum Document

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| Term | Autumn | Spring | Summer |
| Topic | Invaders and Settlers | Infinity and Beyond | Mayans |
| Outdoor Learning | Biology walks in local areaLocal Geography trips – looking at landscape and farming | Climate walks/atmosphere experiments | Forest walks to compare to rainforests and collect collage resources |
| EnglishFictionNon fiction | The Man Who Walked Between TowersRobot GirlThe TempestHidden Figures: The True Story of Four Black Women and the Space Race | The Lost ThingUnspokenThe Lost Happy EndingsBeowulf | Otto, Autobiography of a Teddy-BearAnne FrankFirebirdCuriosity |
| Maths | Place ValueAddition and SubtractionStatistics Multiplication and DivisionPerimeter and area  | Multiplication and DivisionFractionsDecimals and percentages  | DecimalsGeometry (Shape)Geometry (Position and direction)Measurement (converting unites)Measurement (volume) |
| Cross curricular maths | Geometry position work and area and perimeter work linked to Viking lands/ UK and Viking Farmland and mapsVolume regarding water storage for long journeys | Statistics work linked to Science experimentsPercentages/fractions and decimals work linked to levels of different gases in the air and o zone  | Statistics work linked to science experimentsMeasurement of units linked to food workTessellation and repetition of shapes linked to Mayan print work |
| Science | Biology – Explore and compare the life cycles of a mammal, amphibian, insect and bird within our local area. Chemistry – Distilling salt-water experiment for the sea travelling Vikings. Physics – Magnet exploration and how they help navigation  | Biology – Explore how the human body works and how fit and healthy it would need to be to be an astronaut. Chemistry – Materials that would be good in different situations and which wouldn’t exploration e.g. different pressures/atmospheresPhysics – Space exploration and the Earth’s movement in space | Biology – Classify and compare our animals and plants to those of South America.Chemistry – Changing states experiment using chocolate that grew near the Mayans.Physics – Constellations exploration and how they would have aided navigation  |
| Geography | Explore the Geography of Scandinavia. Why did the invaders choose the UK? What was wrong with their own countries geographically? (UK and global map work) | How does the climate on Earth compare to other planets and why? Learn about the O-zone layer and the atmosphere on Earth and other planets (UK and global map work) | Explore the features of earthquakes, how they happen and why. – link with the Mayans and part of the downfall of the civilisation. Compare England and our surrounding area to South America and Rainforests. Deforestation links(Global map work) |
| History | Who lived in the UK before the Vikings invaded? Who were the Vikings and what happened to them?  | The Space Race and ancient beliefs and ideas of what the stars were. (Do not cover Mayans) Also some ancient stories about the different constellations.  | Compare England and our current beliefs to those of the Mayans. Look at their use of constellations and what they believed about stars and link it to what we know now (Previous learning in half term before)  |
| ComputingCommunicate using ICT should be done throughout as work presentation. | Code:Create a game about invaders using If, Then and else conditionsConnect: Participate in class webpage and google classroomCollect:Create a database which can store information about different animals as well as a key to follow. | Code:Use a range of sensing tools to control events in a space themed gameConnect: Participate in class webpage and google classroomCollect: Create a database to record information about the Ancient Greeks | Code:Use reporter and Boolean operators to create a maths generatorConnect: Participate in class webpage and google classroomCollect:Create a database to record data on the two volcanoes in Italy |
| Art (developing ideas should be covered constantly) | Drawing/Sculpture/digital mediaUse sketchbooks to master the associated techniques and create art around the Vikings | Painting/Inspiration from the greatsUse sketch books to master the associated techniques and create space images based on David Hardy/Don Dixon/William Kenneth Hartmann | Collage/printMastering techniques in sketch books then using different mediums to portray Mayan and rainforest patterns  |
| D&T(Each D&T area must be split in to design, make, evaluate) | Materials and construction – create long ship models | Mechanics/ Taking inspiration from design throughout history – create electronics and mechanical product designs based on Space | Food-Creating food dishes from South America |
| RE | ChristianityWorship  | Islam/HinduismWorship | Exploring Sikhism |
| Music(Charanga ) | 1. Livin’ on a prayer2. Classroom Jazz 1 | 1. Make you feel my love2 Fresh prince | 1. dancing in the street2. Reflect, Rewind and Replay |
| PSHE | 1. Being me in my world2. Celebrating difference | 1. Dreams and goals2. Healthy me | 1. Relationships2. Changing me |
| PE | 1. Gymnastics Games 2. SwimmingInvasion games | 1. SwimmingNet games2. Gymnastics Dance  | 1. Athletics Fielding games2. OAAAthletics  |
| French | 1. Do you have a pet?2. What is the date? | 1. Weather2. Clothes | 1. Planets2. Olynmpics |