**Year 5 Topics**

**Eastern Europe and Marvelous Maps**

**Ancient Egypt**

**Exploring Nature and Our Surroundings**

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| Ancient Egypt | |
| **Maths:**  In the first half of the Autumn term we will work on Number & Place Value and Addition & Subtraction. After half term we will move onto Multiplication & Division and then Statistics.  **Literacy:**  We will begin our literacy lessons with persuasive writing, persuading people to visit Egypt on holiday. We will then move on to ‘Fantastic Beasts and Where to Find Them’ which will be very engaging and intriguing for the children. We will also study a poem, looking at narrative poetry and writing a non-chronological report from this.  **Science:**  We will start Science with a very exciting topic, Earth & Space, the only Astronomy related science unit in the primary science curriculum. The aim is to provide a basic overview of Earth and its place in our Solar System. Then we will move onto Living Things and Their Habitats. It will teach us about the process of reproduction and the life cycles of plants, mammals, amphibians, insects and birds. We will explore reproduction in different plants, including different methods of pollination.  **P.E.:**  This term we are very lucky to have lots of different sporting opportunities. We will have a session with the Multiflex staff on Monday mornings, have specialist rugby coaching on Tuesday mornings (after October half term) and then swimming lessons on Tuesday afternoons.  **French:**  Our French topic this term will be All About Ourselves. In this unit, we will apply previous knowledge of topic areas such as clothes and the body, developing vocabulary at the same time. We will learn to describe our own appearances and we will be introduced to some key grammatical features of French, such as the position of adjectives. We will have the opportunity to talk about our emotions and health, increasing conversational skills. | **History:**  There will be a great amount of interesting and exciting history learning opportunities in our topic this term. These will include focusing on mummies and mummifying our own orange, Tutankhamun, Hieroglyphs, Egyptian Gods and the Pyramids.  **Geography:**  Our Ancient Egypt topic will be mainly history based but will have lots of geographical learning opportunities. These will include the location of Egypt and the continents, why the River Nile had such an important role in the community and creating a travel guide for Egypt looking at climate, vegetation and main attractions etc.  **R.E and PSHCE:**  Our RE topic will be Christianity looking specifically at the true meaning of Christmas for Christians. We will start by questioning the meaning of Christmas to us and then learn about the Christian meaning of Christmas. In PHSE lessons we will continue with our Kiva work progressing further through the programme now children are older. We will also have Go-Givers lessons. These are about developing caring and concerned young citizens with the confidence and skills to make a difference in our community, both locally and globally.  **Music:**  This year music lessons will be slightly different. Mr John Harrop will be taking the Year 4 and 5s together on a Wednesday afternoon. We are very excited to be having a whole afternoon of music, carrying on with the same instrument and mentoring the Year 4s.  **Art and Design & Technology:**  In art, following our Ancient Egypt topic, we will create Ancient Egyptian Death Mask and Faces. We will try different techniques using a range of materials such as pencil, charcoal, clay, pen and papier Mache. In D&T we will work with Mrs Kitson to create our own pyramids.  **Computing:**  In our computing sessions we will use Purple Mash to create animations and to learn how to code. |
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| Maths:  Firstly, we will complete our Multiplication and Division topic, looking specifically at methods for division. We will then move onto Perimeter & Area, Fractions and finally Decimals & Percentages. Children will also have 20 minutes of arithmetic in the afternoons to develop their fluency and reasoning skills.  **Literacy:**  We will start Literacy this term with Non-Chronological reports, looking at the Jabberwocky by Lewis Carroll. The children enjoyed writing poetry on this last term. We will then move onto learn all about Tim Peake, the British astronaut. We will write a recount newspaper article about Tim Peake's return from space as well as writing a personal diary entry about his time in space. Then we will design a machine to make a special meal for Tim and write an information text explanation about how the machine works. Children will have a guided reading session in a small group once per week and also as whole class sessions. There will be discrete spelling teaching before our literacy session each day.  **Science:**  Properties and Changes of Materials  This ‘Properties and Changes of Materials’ unit will teach all about different materials, their uses and their properties, as well as dissolving, separating mixtures and irreversible changes. We will sort and classify objects according to their properties and then explore the properties of materials to find the most suitable material for different purposes. We will work scientifically and collaboratively to investigate the best thermal insulator to make a lunch box, making predictions and forming conclusions. Furthermore, we will have chance to find the best electrical conductor, in the context of making floodlights brighter. Then we will have the opportunity to work in a hands-on way to explore dissolving, identifying the different variables in their own investigations. We will find out about different ways to separate mixtures of materials, using filtering, sieving and evaporating. Finally, learning about irreversible changes, and participate in two exciting investigations to create new materials, including casein plastic and carbon dioxide.  Forces  This ‘Forces’ unit will explore balanced and unbalanced forces, gravity, friction and the use of mechanisms such as levers, gears and pulleys. We will identify forces and complete force diagrams. Next we will find out about Isaac Newton and his discoveries about gravity, completing a comprehension about his life and his work. As a class we will look for patterns and links between the mass and weight of objects, using newton metres to measure the force of gravity. Furthermore, we will work collaboratively to investigate air and water resistance, participating in challenges to design the best parachute and boat. We will have the opportunity to work in a hands-on way to explore friction, developing our own brake pad for a tricycle. Finally, we will find out about different mechanisms, including levers, gears and pulleys, and will design our own marvellous machine.  Computing:  We will develop our computer literacy skills in maths and when carrying out research in topic lessons. Also, we will continue to use Purple Mash to work on our coding skills.  **P.E.:**  This term we are very lucky to have lots of different sporting opportunities. We will have a session with the Multiflex staff on Monday afternoons and also have specialist rugby coaching on Thursday afternoons with Danny. | **History:**  Our topic last term was heavily history based so this term we will focus more on Geography. However there will be some historical links such as looking at Isaac Newton in our science lessons and children will find out about Chernobyl in our topic lessons.  **Geography:**  Exploring Eastern Europe  Firstly, we will learn about the countries of Europe. We will then look in more detail at some of the contrasting areas of Eastern Europe, finding out about the landscape, climate and locations in each area. We will bring together our learning about one area of Eastern Europe and create information booklets to share what we have found out. In the final lesson of the unit, we will find out more about Chernobyl and its impact on Eastern Europe and the rest of the world.  Marvelous Maps  Marvellous Maps allows us to further explore the range of maps available to geographers and to develop our understanding of the key features of maps. We will study a range of maps and atlases, including digital maps, and compare their features. Then we will learn to use the eight compass points to give directions and give grid references to locate places on a map. By comparing maps of the same place, we will learn about the way that places have changed over time.  **R.E.:**  Our RE topic will be Jesus the Healer, looking at all the different miracles he performed. We will also look at Hinduism.  **PSHCE:**  In PHSE lessons we will continue with our Kiva work progressing further through the programme now children are older. We will also have Go-Givers lessons. Here we will look at Martin Luther King and Mary Seacole & Florence Nightingale amongst other things.  **Music:**  Children will continue to have a full afternoon of music on Wednesdays with Mr John Harrop.  **Art and Design & Technology**  Along with our topic lessons we will paint and compare famous landscapes within Eastern Europe and design and create traditional European costumes.  **French**  ‘School Life’ will explore key vocabulary related to objects, subjects and prepositional language. There is a Maths lesson, which teaches the children the names of 2D shapes. We will learn questions and answers which could be used in school and also learn key phrases connected to the themes. |
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| Maths:  We will begin the summer term in maths by looking at decimals. We will then move onto geometry looking at properties of shapes and position direction. We will finish the year with measurement looking specifically at converting units and then volume.  Literacy:  In the summer term we will focus heavily on narrative writing, using the ‘Talk for Writing’ structure. We will also look at play scripts and letter writing.  Science:  We will first complete our work with Forces, as there are many fun experiments to carry out! Then we will move onto Living Things in their Habitats. This unit will teach about the process of reproduction and the life cycles of plants, mammals, amphibians, insects and birds. We will explore reproduction in different plants, including different methods of pollination and asexual reproduction. We will learn about different types of mammals and their different life cycles, making life cycle wheels to present our learning. Furthermore, we will find out about Jane Goodall and her work with the now-endangered chimpanzees in Africa.  ICT:  In computing we will use Purple Mash’s ‘Logo’. This is a simple computing programming language to control a ‘turtle’. We will learn about the many commands, which can be used in order to explore shapes, programming, and algorithms.  P.E.:  With the hope for good weather PE should be outdoors this term. We will work on our athletics skills as well as games such as rounders and cricket.  French:  In our fun French lessons we will look at the human body, animals and food to link with our termly topic.  History:  This term will be a local history study. We will study Congleton over time tracing how several aspects of national history are reflected in the locality. We will also look at history aspects that are significant to Congleton. | Geography:  In geography we will explore ‘Enough for Everyone’. We will think about the needs of a settlement, and the needs of the planet as a whole. We will find out where resource such as power and food come from, and look at ways in which natural resources can be conserved. After discussing the idea of a carbon footprint, we will have the chance to consider how their actions impact on others around the world, and to think about the changes that we could make to try to ensure that natural resources are shared so there is enough for everyone.  R.E.:  In our RE lessons we will explore the Muslim faith.  We will find out where Islam originated, about special places linked to Islam and about key festivals in Muslim life. We will also  learn about symbols in Islam, the Muslim holy book and the main beliefs held by Muslims.  PSHCE:  We will continue with our KiVa and Go Givers lessons looking specifically at bereavement, jealousy, Mali and Famous Philanthropists.  Music:  We will continue our music lessons with Mr Harrop, playing either the trumpet, trombone, clarinet or glockenspiel.  Art:  A Plants and Flowers unit will teach the class about how to use pencil, colour, Hapa Zome printing, sculpture and paper modelling to create quality art work that shows progression in their skills. The children will also have the opportunity to explore the work of India Flint, Alexander Calder, David Oliveira and Henri Rousseau.  Design and Technology  To complete our Nature and Surroundings topics we will look at the importance of buying seasonal food. We will grow some of our own ingredients before having the chance to sample them and learn how to cook with them using a range of recipes. |