

Year 5
Autumn Term 2015
Curriculum Overview

Subject	Autumn Term	
R.E.	<p style="text-align: center;"><u>Unit A</u> <u>Creation</u></p> <p>I know that there are 2 stories of creation in the book of Genesis.</p> <p>I know that human beings are made in the image and likeness of God and that we must use our talents wisely.</p> <p>I know some of the reasons for praising God, our Creator.</p> <p style="text-align: center;"><u>Unit B</u> <u>Miracles and the Sacrament of the Sick</u></p> <p>I know that Jesus performed miracles and that these changed people's lives.</p> <p>I know that we have places of pilgrimage that people visit and prayer for the sick.</p> <p>I understand that the Sacrament of the Sick is very important for those who are ill.</p>	<p style="text-align: center;"><u>Unit C</u> <u>Advent</u></p> <p>I know that Christians remember the first time Christ came to earth during Advent</p> <p>I know that we are getting ready to greet him again.</p> <p>I have learnt about the people who prophesied the birth of Christ</p>
English	<ul style="list-style-type: none"> • Fantasy Stories/Classic stories by significant authors (1 Week) - using the Hobbit as inspiration. • Information Booklet with a Range of Text Types (Instructional Writing) (1 Week) – Looking at the structure and purpose of instructional writing. Along with imperative verbs and time openers. • Diary Writing (2 weeks) – Writing diary entries linked to our topic work on Birmingham's History through the Victorian era. • Magazine articles (2 weeks) – Linking to the topic of Birmingham History children will write a variety of different magazine articles for a range of audiences. We will also look at the layout and structure of magazines and how this reflects their purpose and target audience. 	<ul style="list-style-type: none"> • Discussion and Formal Debate (2 weeks) – Children will write and deliver discussions and debates relating to past issues linked to Birmingham history and contemporary issues in modern Birmingham. • Classic stories by significant authors (1 week) – extending further from the first week of Fantasy Stories/Classic stories by significant authors, children will look at the inspiration behind stories such as The Hobbit and The Jungle Book as well as writing their own short stories. • Films and play scripts (2 weeks) – looking at the popular film adaptations of the Hobbit and The Jungle Book along with the writing style and presentation of play scripts. • Informational Booklet with a Range of Text Types (Information leaflet) – Children will work to create an information leaflet to summarise the work covered in the Birmingham Local History topic.
Mathematics	<p><u>We will be learning to:</u></p> <ul style="list-style-type: none"> • Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit. • Count forwards or backwards in steps of 	<ul style="list-style-type: none"> • Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.

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	<p>powers of 10 for any given number up to 1 000 000.</p> <ul style="list-style-type: none"> • Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero. • Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction). • Add and subtract numbers mentally with increasingly large numbers. • Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. • Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres. 	<ul style="list-style-type: none"> • Identify 3-D shapes, including cubes and other cuboids, from 2-D representations. • Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. • Draw given angles, and measure them in degrees Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre.) • Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.
<p>Science</p>	<p style="text-align: center;"><u>All Living Things and their Environments</u></p> <p><u>Children will gain:</u></p> <ul style="list-style-type: none"> • A critical knowledge and understanding of the life processes (MRS NERG) and that a plant or animal must perform all of these functions to be considered alive. • An understanding of the currently scientifically accepted system for the classification of animals. Along with a knowledge of the features which define these categories. • Knowledge and understanding of how different animals are adapted to their natural habitats. • Understanding of how humans have affected plant and animal habitats and the adaptations we are seeing in the animal kingdom as a result of this. 	<p style="text-align: center;"><u>Animals including Humans</u></p> <p><u>Children will gain:</u></p> <ul style="list-style-type: none"> • A knowledge and understanding of the differences and similarities of humans from different areas of the globe. • An understanding of the key changes humans experience as they progress to old age. • Knowledge of the key life processes all humans have in common. • An understanding of the life cycle of a human and how this compares to an insect and plants.
<p>Computing</p>	<p style="text-align: center;"><u>Unit 1: We Are Game Developers</u></p> <p>Children will:</p> <ul style="list-style-type: none"> • Create original artwork and sound for a game • Design and create a computer program for a computer game. • Detect and correct errors in their computer game. • Use iterative development techniques to improve their game. 	<p style="text-align: center;"><u>Unit 2: We Are Cryptographers</u></p> <p>Children will:</p> <ul style="list-style-type: none"> • Be familiar with semaphore and Morse code. • Understand the need for private information to be encrypted. • Encrypt and decrypt messages with simple cyphers. • Appreciate the need for complex passwords and to keep them secure. • Have some understanding of how

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		encryption works on the web.
Topic (History/ Geography)	<p style="text-align: center;">The History of Birmingham and Our Local Area</p> <p>A study of the changes to the people and landscape of Birmingham from the Victorian era and Birmingham's industrial past to modern Birmingham.</p> <p>Children will critically analyse the changes to Birmingham's industry and canals in particular and evaluate their current state as well as discussing future development.</p>	
D / T		<p style="text-align: center;">Pop up Christmas cards</p> <p>Children will be making Christmas cards with pop up mechanisms.</p>
PSHE	<p style="text-align: center;">Dotcom Scheme</p> <p>This term the children will be working on the Year 5 Unit 'Values vs Violence'.</p>	
Art	<p>We will be exploring the use of line and shading to create the illusion of depth and perspective.</p> <p>This will be applied to a series of still life pictures and observational drawings.</p>	<p style="text-align: center;">Topic</p> <p>Where possible the art works will be inspired by the local area or historical aspects of Birmingham.</p>
PE	<p style="text-align: center;">Invasion games - Monday morning - Bishop Challoner P.E. Teacher. Swimming – Tuesday morning – Newtown Leisure Centre Team Building Skills and Fitness - Wednesday morning - Mr Collins</p>	
Music	<p style="text-align: center;">Taught by Ms. J Davis</p>	
Spanish	<p style="text-align: center;">Taught by Senora Dormi</p> <p>Children are learning the numbers from 10 to 1000 along with Days of the Week and Months of the year.</p>	