"At St. Chad's, we grow in the light of Christ, to share his love and reflect the gospel values."

Curriculum Overview Summer 2019 Year 5

Subject	Summer Term	
R.E.	<u>Unit I Easter</u> In this unit the children learn about the Church's Celebration of Easter through the Easter Vigil. They will learn about the Church's belief in eternal life through the Easter Story and the Story of the Ascension of Jesus into heaven. They will also study the story of the Raising of Lazarus from the dead. <u>Unit J Pentecost</u> In this unit the children will gain greater insight into the Church's belief in the Holy Spirit. It will also explore the Christian belief in the Holy Trinity and prayer and devotion to the Holy Spirit.	<u>Unit K The Work of the Apostles</u> In this unit the pupils will understand the significant role the Apostles played in proclaiming the Good News. Pupils will reflect on the work of the Apostles as building the foundations of the Church which continues to proclaim the Good News of Christ today. <u>Unit L Marriage and Holy Orders.</u> In this unit the children will understand that Marriage and Holy Orders are important Sacraments of Commitment in the Church. It will also help them appreciate that everybody has some responsibility and part to play in the life of the Church.
English	• The children will continue reading The Graveyard Book. They will study the language and structure of the text. They will study the meaning of different phrases and figures of speech. They will complete extended written pieces on the characters and plot development. • The children will create information texts about the local area. They will look at ways of presenting the text, bullet points and precis. • They will study information based on World Earth Day and use this to write poems about the environment. This will involve the study of figurative language, rhyme, rhythm . • Read Clockwork by Phillip Pullman • Understand the concept of a cliffhanger in a story. • Explore how authors create suspense. .	• They will study biographies. • They will consolidate their understanding of clauses by studying relative clauses. • They will consolidate how to link ideas across paragraphs. • They will consolidate their understanding of sentence structure by practising different types of sentences. • They will consolidate their use and understanding of modal verbs. • They will consolidate their understanding of parenthesis. • They will consolidate their understanding of adverbials of time. • They will further the use of commas to clarify meaning. The children will study spelling rules appertaining to the suffixes: ant, ancy, cious, tious, cial, tial.
Mathematics	This term the children will learn and understand the following concepts: We will study geometry:	• Read and write decimal numbers as fractions [for example, 0.71 = $^{71}/_{100}$]

	• 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 (°) • Identify angles at a point and one whole turn (total 360 °) • Identify angles at a point on a straight line and a turn (total 180 °) • Identify other multiples of 90 ° • Use the properties of rectangles to deduce related facts and find missing lengths and angles • Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. • Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres • Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes • Estimate volume [for example, using 1 cm^3 blocks to build cuboids (including cubes)] and capacity [for example, using water] •	• Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents • Round decimals with two decimal places to the nearest whole number and to one decimal place • Read, write, order and compare numbers with up to three decimal places • Solve problems involving number up to three decimal places • Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $^1/_5$, $^2/_5$, $^4/_5$ and those fractions with a denominator of a multiple of 10 or 25
Science	Forces The children will study the following concepts: • The force of gravity to explain why objects fall. • How air resistance, water resistance and friction all act on objects to slow them down. • That levers, pulleys and gears can turn a small force into a greater force.	Properties and changes of materials The children will be taught to: • Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets • Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution • Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating • Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic • Demonstrate that dissolving, mixing and changes of state are reversible changes

		• Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.
Computing		•
Topic (History/ Geography)	History The Local Area The children will study the development of Birmingham as an industrial city. They will look at it's development from an Anglo-Saxon settlement through to its role in the Civil War. They will consider how and why Birmingham became an industrial centre during the Industrial Revolution and examine the work of Matthew Boulton, James Watt and the Cadbury family.	Geography The children will continue to study the Water Cycle and rivers. They will study the local area. They will look at the economic activity of the immediate area and will focus on the Jewellery Quarter and the canals. •
D / T		<u>Mechanisms</u> The children will explore levers and pulleys to create a lifting device. They will also explore designs for artefacts needed for the school summer production.
PSHE	Dot.Com The children will explore themes such as: the values of true friendship, courage and kindness as opposed to bullying, gangs and not respecting others.	
Art		**The children will be looking at landscapes of Birmingham and exploring them using a variety of media eg: paint, wax resist, collage**
PE	**Taught by Miss Dartnell**	
Music	**Taught by Welsh National Opera**	
Rights Respecting Schools	**Year 5 has chosen to focus on: Article 13 – Every child must be free to express their own thoughts and opinions. Article 28 – Every child has the right to an education. Article 31: Every child has the right to relax, play and take part in cultural and artistic activities.**	