Burlington Junior School – Year 5 Curriculum Overview

2025 – 2026

	AUTUMN TERM		SPRING TERM		SUMMER TERM	
	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half
English	**Cosmic by Frank Cottrell-Boyce** Character description Persuasive email Instructional writing Setting description Diary entry Balanced Argument Positive and Negative Review	**Dracula by Bram Stoker** Retelling a story Character description Setting description Diary entry Letter writing **Poetry by Sharon Creech** Poetry recital and creation	**Odysseus** Character dialogue Descriptive story writing Setting description Poetry Persuasive speech	**Book Week Unit** – to be revealed during Book Week by the English Leaders **The Rime of the Ancient Mariner by Samuel Taylor Coleridge** Explanation Short Story **Just So Stories by Rudyard Kipling** Descriptive stories	**Way Home by Libby Haythorn** Diary entry Character description **Alice in Wonderland by Lewis Carroll** Instructional Writing: Potion Setting Description Retelling a story	**Alice in Wonderland by Lewis Carroll (continued)** Setting description Job application letter Poetry **Year 5 Guide** Non-chronological Report: Information Leaflet
Maths	**Place Value:** - Read, write, order and compare numbers up to 1,000,000 - Round any number up to 1,000,000. - Roman Numerals to 1,000. - Negative numbers in context. **Addition and Subtraction:** - Add and subtract whole numbers with more than 4 digits - Round to estimate and approximate - Multi-step addition and subtraction problems **Multiplication and Division:** - Multiples, factors, prime numbers and composite numbers	**Multiplication and Division:** - Square and cube numbers - Multiply and divide by 10, 100 and 1000. **Fractions:** - Compare and order fractions that are less than and greater than 1 - Equivalent fractions - Improper fractions and mixed numbers - Number sequences - Add and subtract fractions (within 1)	**Multiplication and Division:** - Use known facts to multiply and divide numbers mentally. - Multiply and divide up to 4 digits by a one or two digit number using a written method. - Dividing with remainders. **Fractions:** - Multiply unit fractions, non-unit fractions and mixed numbers by whole numbers - Calculate fractions of a quantity **Decimals and Percentages:** - Decimals up to 2 decimal places - Decimals and fractions as tenths and hundredths	**Decimals and Percentages:** - Compare and order decimals up to 3 decimal places - Rounding to the nearest whole number and to 1 decimal place - Understand percentages - Percentages as fractions and decimals - Equivalent fractions, decimals and percentages **Measurement: Perimeter and Area** - Perimeter or rectangles, rectilinear shapes and polygons - Area of rectangles and compound shapes - Estimate area **Statistics:** - Solve problems using information presented in line graphs. - Complete, read and interpret information in two-way tables and timetables.	**Properties of Shape:** - Measuring angles in degrees (protractors) - Drawing lines and angles accurately - Calculating angles on a straight line and around a point - Calculating lengths and angles in shapes - Regular and irregular polygons - Reasoning about 3-D shapes **Position and Direction:** - Position in the first quadrant - Reflection and translation of shapes and with coordinates **Decimals:** - Adding and subtracting decimal numbers up to 3dp - Decimal sequences - Multiplying and dividing decimals by 10, 100 and 1,000	**Negative numbers** **Measurement: Converting Units:** - Kilograms and kilometres - Millimetres and millilitres - Metric and imperial units - Converting units of time and timetables **Volume:** - What is volume? - Compare and estimate volume - Estimate capacity

Science	**<u>Earth and Space</u>** Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. Describe the movement of the Moon relative to the Earth. Describe the Sun, Earth and Moon as approximately spherical bodies. Describe the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.	**<u>Forces</u>** Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. Explain the impact of gravity on our lives. Identify the effects of air resistance, water resistance and friction, which act between moving surfaces. Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.	**<u>Properties and Change of Materials</u>** Compare and group together everyday materials on the basis of their properties. Comparative and fair tests, for the particular uses of everyday materials. Demonstrate that dissolving, mixing and changes of state are reversible changes. Explain that some changes result in the formation of new materials, and this kind of change is usually not reversible.	**<u>Properties and Change of Materials</u>** 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.	**<u>Living Things and their Habitats</u>** Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. Describe the life process of reproduction in some plants and animals.	**<u>Animals including Humans</u>** Describe the changes as humans develop to old age.
Art			**Key Skill: Printmaking** **Outcome:** Mountains **Medium**: Acrylic	**Key Skill: Sculpture** **Outcome:** Self-portrait slab sculptures **Medium**: Clay	**Key Skill: Painting** **Outcome:** Plants **Medium**: Watercolour	
Computing	**Online Safety - Natterhub** Strong/Safe passwords, effective online searches, reliable information, online groups, cyber bullying	**Vector Drawing** Drawing tools, creating shapes and lines Moving, rotating, resizing, editing and layering images	**Computer Science - Programming** Flowol if - then, algorithms, abstraction, decomposition, patterns, logic	**Computer Science** **Micro:bit** Musical Instruments 'if, then' blocks Selection Predicting Outcomes	**Information Technology Systems and Searching** The role of computer systems, search engines, ranking results	**Flat-File Databases** J2E Recording information, creating charts, presenting data
Design and Technology	**Textiles**: Soft Toys	**Cooking and Nutrition**: Street Food (noodles)				**Structures:** Lighthouses
French	**La Phonétique** / Phonics & Pronunciation **As-Tu Un Animal?** / Do You Have A Pet? **Joyeux Noël** / Merry Christmas		**Quelle Est La Date Aujourd'hui?** / What Is The Date? **Les Vêtements** / Clothes		**Les Jeux Olympiques /** The Olympics **Consolidation**	

Geography			**Mighty Mountains** Physical features of mountains, how mountains are formed (tectonic plates), links to the water cycle, Mont Blanc/The Alps **Key Questions:** What is a mountain? How are mountains formed? Where are the world's mountains?		**The Lake District and The Tatra Mountains: A Comparative Study** Locating contrasting regions in Europe and the UK, comparing physical and human features, climate **Key Questions:** How are regions of Europe similar or different to one another? Where are these places? What are they like?	**Where does our energy come from?** Sources of energy, trading routes, distribution of energy, mapping, sustainability **Key Questions:** Why is energy important? What is renewable energy? How do different places generate energy? Where is the best place for a solar panel on our school site?
History	**Anglo-Saxons: Civilisation** **Enquiry Question:** Who were the Anglo- Saxons?	**Anglo-Saxons: Local Study** **Enquiry Question:** What was Anglo-Saxon Kingston like?		**The Tudors: Monarchy and Empire** **Enquiry Question:** Why was Henry VIII a significant figure in the Tudor Era?		
Music	**Charanga: Livin' on a Prayer** Voices and Instruments Listening, singing, performance, improvisation	**Instruments of the Orchestra** Instrument families **Singing and Performance** Voices Christmas	**Ukulele** Instruments Staff Notation Listening, Performing	**Composition Project** The Sea Percussion Instruments Listening, composing, performance	**Carmen: Create and Sing Opera** Voices Listening, singing, performance, expression, improvisation	**Carmen: Create and Sing Opera** Voices Listening, singing, performance, expression, improvisation
P.E.	<u>Outdoor:</u> Invasion Games: Basketball or Tag Rugby <u>Indoor:</u> Fitness	<u>Outdoor:</u> Invasion Games: Basketball or Tag Rugby <u>Indoor:</u> Gymnastics	<u>Outdoor:</u> Invasion Games: Handball Outdoor Adventurous Activities <u>Indoor:</u> Dance	<u>Outdoor:</u> Invasion Games: Handball Outdoor Adventurous Activities <u>Indoor:</u> Sports' Leader Programme	<u>Outdoor one:</u> Net and Racket Sports: Volleyball <u>Outdoor two:</u> Athletics	<u>Outdoor one:</u> Net and Racket Sports: Tennis <u>Outdoor two:</u> Striking and Fielding: Cricket
PSHE	**Being Me in My World** **Key Themes:** My Year Ahead (dreams and goals) Being a citizen of my country Year 5 responsibilities Rewards and consequences Understand how an individual's behaviour can impact upon a group Understand how democracy and having a voice benefits the school community	**Celebrating Differences** **Key Themes:** Different cultures Racism Rumours and name-calling Types of bullying Does money matter? Celebrating difference across the world	**Healthy Me** **Key Themes:** Smoking (health risks) Alcohol (risks) Emergency aid (basic first aid) Body image (media/social media) My relationship with food (body image) Healthy me (my choices)	**Dreams and Goals** **Key Themes:** When I grow up (dream lifestyle) Investigate jobs and careers My dream job Dreams and goals of young people in other cultures How can we support each other? (communication) Rallying support (supporting young people around the world)	**Relationships** **Key Themes:** Characteristics and personal qualities Safety within online communities Being in an online community Online gaming (responsibilities) Screen time Relationships and technology	**Changing Me** **Key Themes:** Self and body image Puberty for girls Menstruation Puberty for boys Conception Looking ahead (becoming a teenager) Transition to Year 6

R.E.	**Christianity –** What does it mean if Christians believe God is holy and loving?	**Christianity –** Why do Christians believe Jesus was the Messiah?	**Islam –** What does it mean to be a Muslim in Britain today?	**Judaism –** Why is the Torah so important to Jewish people?	**Christianity –** Christians and how to live: "What would Jesus do?"	**All faiths and Non-Religions –** What matters most to Humanists, Christians and Buddhists?
Enrichment: Trips, Visits and Visitors and Outdoor Learning	**Science:** The Wonder Dome (space) **History:** Anglo Saxon visitor (in school)	Christmas Tree Festival in New Malden **History**: Local walk in Kingston- visit The Coronation Stone and Kingston Museum and virtual workshop Anglo-Saxon Day in school	**R.E.**: Visit to Kingston Mosque	**History:** Hampton Court Palace (Tudors) **History:** Tudor Day (in school) **PSHE**: Careers workshop (parent volunteers) **R.E.:** Easter Experience at New Malden Baptist Church		Year 5 Sleepover