



Burlington Junior school – Curriculum Long Term Plan- Autumn 2019/2020: Year 5



<u>Autumn Term</u>	
Values:	
Autumn 1 – Resilience	
Autumn 2 – Respect	
Poetry	Link poetry to narrative themes- use this to develop vocabulary and rich language.
Narrative	Text: Cogheart by Peter Bunzi Text: Room 13 by Robert Swindles
Non-Narrative	Biography – Helen Sharman Persuasion – Is there life on other planets?
Maths	Effective Maths
French	Language Angels
PE	Rising Stars Curriculum
Theme	To Infinity and Beyond (3 weeks)
Objectives:	
Promises	Make papier mache planets.
Art:	To improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials
Science:	To describe the movement of the Earth, and other planets, relative to the Sun in the solar system To describe the movement of the Moon relative to the Earth To describe the Sun, Earth and Moon as approximately spherical bodies To use the idea of the Earth’s rotation to explain day and night and the apparent movement of the sun across the sky <u>Working Scientifically objectives to be covered to plan and complete investigation on Sun movement across the sky.</u>
History:	To develop a chronologically secure knowledge and understanding of British, local and world history – linked to space travel development/ key events.
ICT	To use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content Research and create a biography regarding the life of Helen Sharman.



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Theme	Incredible inventors (4 Weeks)
Objectives:	
Science:	<p>Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.</p> <p>Identify the effects of air resistance, water resistance and friction, that act between moving surfaces</p> <p>Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</p>
History:	<p>To develop a chronologically secure knowledge and understanding of British, local and world history</p> <p>A study of an aspect or theme in British history that extends pupils’ chronological knowledge beyond 1066 – Inventors/Inventions of significance.</p>
Art:	<p>To create sketch books to record their observations and use them to review and revisit ideas</p> <p>To improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]</p> <p>To know about great artists, architects and designers in history – Leonardo Da Vinci</p>
DT:	<p>To use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups</p> <p>To select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately</p> <p>To select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities</p> <p>To investigate and analyse a range of existing products</p> <p>To evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>To understand how key events and individuals in design and technology have helped shape the world</p> <p>To understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]</p>
ICT:	To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
Junior Stem	To use sequence, selection, and repetition in programs; work with variables and various forms of input and output
Lego	To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
Workshop	
Theme	Harvest Time! (1 week)
Objectives:	
PSHE:	To understand the importance of physical activity and diet for a healthy lifestyle.
History:	Local history related to Harvest. Land use in the local area.



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Music:	Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression Develop an understanding of the history of music.
English:	Learning a wider range of poetry by heart
RE:	Faith in action.
DT:	To understand the source, seasonality and characteristics of a broad range of ingredients
Theme	Lest we Forget. (1 Weeks)
Objectives:	
History	A study of an aspect or theme in British history that extends pupils’ chronological knowledge beyond 1066 Individual WW1 study. To show some awareness of how people’s lives have shaped this nation. To choose relevant material to present a picture of one aspect of life in time past. To display findings in a variety of ways. To offer a reasonable explanation for some events. To know the period in which the study is set in.
Theme	Let’s make! (1 week)
D&T	Design Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups and generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design Make and select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately and select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities Evaluate and investigate and analyse a range of existing products and evaluate their ideas and products against their own design criteria and consider the views of others to improve their work and understand how key events and individuals in design and technology have helped shape the world understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]



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Theme	Wicked Whitby (3 Weeks)
Objectives: Geography	Name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European country, and a region within North or South America Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied Use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world
History	Local history study. To regularly address and sometimes devise historically valid questions about change, cause, similarity and difference, and significance.
Theme	God Save the Queen (2 week) Monarchy
Objectives History	To offer some reasons for different versions of events To use evidence to build up a picture of life in time studied To select relevant sections of information
BV/PSHE	To describe dreams and goals of a young person in a culture different from mine To reflect on how these relate to my own
Additional Enrichment	Community Project: Harvest performance at The Priory, Visit the kingfisher café. Activity Passport: Papier Mache, Launch a Rocket, Learn to Moonwalk, Time Capsule Visits/visitors: Helen Sharman’s Dad, Possibly Children’s University – Science Museum, Junior Stem lego workshop. Life Skills: Designing and creating through DT. Experience/launch: Space launch day. Outdoor Learning: Make a Backyard Pulley Challenge – Kidsteamlab.com Eden project https://www.edenproject.com/learn/schools/lesson-plans/positive-potions Challenging Stereotypes: Women/ Men/ Race Astronauts and inventors. Positions of Responsibility: Recycling monitor to save resources for Design and Art.