

Leedstown Curriculum



Leedstown CP School

Leedstown Curriculum Overview

KS2- Explore

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Explore- KS2		
Water -2020-21	Danger - 2021-22	Home - 2022-23
Geography	Geography	Geography
<p style="text-align: center;">Human and Physical Geography</p> <p>Describe and understand key aspects of: Physical geography, including: climate zones, biomes and vegetation belts, rivers (<i>Cuckmere Haven</i>) and the water cycle.</p> <p style="text-align: center;">Place Knowledge</p> <p>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 in North or South America (<i>Amazon Rainforest</i>).</p> <p style="text-align: center;">Locational knowledge</p> <p>Locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions,</p>	<p style="text-align: center;">Human and Physical Geography</p> <p>Describe and understand key aspects of: Physical geography, including: Mountains, volcanoes and earthquakes.</p> <p style="text-align: center;">Geographical skills and fieldwork</p> <p style="text-align: center;">use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied</p> <p style="text-align: center;">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</p> <p style="text-align: center;">use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.</p>	<p style="text-align: center;">Locational Knowledge</p> <p>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.</p> <p style="text-align: center;">Human and Physical Geography</p> <p>Describe and understand key aspects of:</p> <p style="text-align: center;">Human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water.</p> <p style="text-align: center;">Geographical skills and fieldwork</p>

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<p>key physical and human characteristics, countries, and major cities.</p> <p>Geographical skills and fieldwork</p> <p>use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied</p> <p>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</p> <p>use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.</p>		<p>use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied</p> <p>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</p> <p>use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.</p>
<p>Examples</p>	<p>Examples</p>	<p>Examples</p>
<p>Cornish Coastline (Local) Rainforests/Amazon Basin.</p>	<p>Extreme Earth</p>	<p><u>Great Britain</u></p> <p>Energy production in the UK (Coal Mining, power stations, wind farms) Economy Population change (data is beautiful-YouTube Channel) Refugees.</p>
<p>Design and Technology</p>	<p>Design and Technology</p>	<p>Design and Technology</p>

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<p style="text-align: center;">Design:</p> <p>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>Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.</p> <p style="text-align: center;">Make:</p> <p>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>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 style="text-align: center;">Evaluate:</p> <p>Investigate and analyse a range of existing products</p> <p>Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.</p>	<p style="text-align: center;">Design:</p> <p>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>Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.</p> <p style="text-align: center;">Make:</p> <p>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>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 style="text-align: center;">Evaluate:</p> <p>Investigate and analyse a range of existing products</p> <p>Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.</p>	<p style="text-align: center;">Design:</p> <p>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>Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.</p> <p style="text-align: center;">Make:</p> <p>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>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 style="text-align: center;">Evaluate:</p> <p>Investigate and analyse a range of existing products</p> <p>Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.</p>
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<p>Understand how key events and individuals in design and technology have helped shape the world.</p> <p style="text-align: center;">Technical Knowledge:</p> <p style="text-align: center;">Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.</p> <p>Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors].</p> <p style="text-align: center;">Cooking and Nutrition:</p> <p style="text-align: center;">Understand and apply the principles of a healthy and varied diet.</p> <p style="text-align: center;">Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.</p> <p style="text-align: center;">Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.</p>	<p>Understand how key events and individuals in design and technology have helped shape the world.</p> <p style="text-align: center;">Technical Knowledge:</p> <p style="text-align: center;">Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.</p> <p style="text-align: center;">Apply their understanding of computing to program, monitor and control their products.</p> <p style="text-align: center;">Cooking and Nutrition:</p> <p style="text-align: center;">Understand and apply the principles of a healthy and varied diet.</p> <p style="text-align: center;">Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.</p> <p style="text-align: center;">Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.</p>	<p>Understand how key events and individuals in design and technology have helped shape the world.</p> <p style="text-align: center;">Technical Knowledge:</p> <p style="text-align: center;">Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.</p> <p style="text-align: center;">Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages].</p> <p style="text-align: center;">Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors].</p> <p style="text-align: center;">Apply their understanding of computing to program, monitor and control their products.</p> <p style="text-align: center;">Cooking and Nutrition:</p> <p style="text-align: center;">Understand and apply the principles of a healthy and varied diet.</p> <p style="text-align: center;">Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.</p>
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		Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.
Examples	Examples	Examples
	Structures to withstand earthquakes (Bridges, buildings etc)	Practical Action- Squashed tomato challenge Wind power challenge Creating shelters.