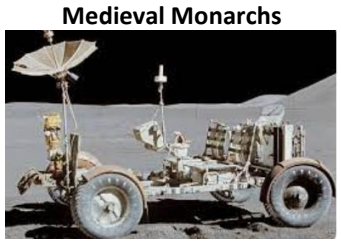
Design and Technology Curriculum - Stourfield Junior School

Year 3		
Villages, Towns and Cities 	**Ancient Greeks** 	**Water, Weather and Climate** 
Lesson Questions		
What is sustainability? Which alternative materials would make homes more sustainable? Is sustainability more important than aesthetic buildings and settlements? How does sustainability impact on cost? What is the impact on the planet on which we live?	**Why does the consumer choose particular products?** What makes foods healthy and nutritious? Where do ingredients come from? How do we balance nutrition with taste/flavour? Why do people choose particular foods? How do we safely use equipment? What is the importance of packaging?	**How do people entertain using puppets?** Why do people use puppets? How do we make puppets fit for purpose? Who is the audience? How do we cast on and off to keep our sewing secure? How do we safely use equipment? What do I need to consider in my design?
Year 4		
Rivers 	**Anglo-Saxons and Scots** 	**Natural Resources in Northern Chile** 
Lesson Questions		
How does sound travel from a musical instrument to our ears? How do we create/hear sound? Which materials can we use to create pleasing sounds? How can we recreate sounds using everyday objects? What do I want my instrument to sound like? How can I use my existing knowledge of sound and music to inspire my own designs?	**Why was weaving so important to Anglo-Saxons and Scots?** What was one of the main industries in England? Which materials would have been used and why? What different styles of weaving do you know? How did they get different colours and patterns in the cloths they made? How can you use your knowledge to inspire your work?	**How do people decide which products to buy?** What do manufacturers have to think about when designing a product? How do they make a product attractive to people to buy? What is the importance of nutrition? Where do the chosen ingredients come from? How do we safely use equipment?
Year 5		
Slums 	**Medieval Monarchs** 	**Mayans** 
Lesson Questions		
What do manufacturers do to make bread products appeal to the consumer? What ingredients do we need and where do they come from? How do we make bread healthy and nutritious? Are there any ingredients that can add to the flavour of plain bread? What is the process of bread making?	**What makes a lunar rover fit for purpose?** What components are required to build a lunar rover? How will we join materials together? How do we build a complete circuit? What is the terrain/surface? How do we use equipment safely? What is the purpose of a lunar rover?	**How do we use cam mechanisms to capture the audience's attention?** What is a cam mechanism? What components are required to build a toy with cam mechanism? How do manufacturers make products appealing to their audience? How will I use my knowledge to design and make my own product for a specific audience?
Year 6		
Population 	**Twentieth Century Conflict** 	**Local Fieldwork** 
Lesson Questions		
What is the importance of sustainability in 2023? What is sustainability? Which materials can I use to make a sustainable product? What is the impact of sustainability on our planet and its people? How can we help the environment to become more sustainable in the future?	**How can we develop a more sustainable lifestyle?** What makes me unique? What have I learnt that can inspire my own project? How do we use equipment and materials safely? What materials could I use to make my project? Which ones would be most suited to the brief? How can I make my design appealing to the target audience and purpose of my final piece?	**How do manufacturers make their products appealing to consumers?** What do manufacturers have to consider when making a product? What is the importance of nutrition? How can we balance nutritional value with taste/flavour? Where do the required ingredients come from? What is the comparison of shop bought and homemade?