

Title: Town Planners		Year: 4 Duration: 4 weeks
Teaching Ideas	Subject	National Curriculum Objectives
<p>In this topic, pupils will work as a team to identify a way to improve Barnsley for the people of the town.</p> <p>Pupils should begin by looking at the physical and human geography of Barnsley. They should go on a local visit around their own community to identify different key features (human and physical) They could take photographs, make maps/sketches and notes during the walk. They should look at different maps (e.g. ordnance survey maps) to identify key geographical features and could match these to the photographs they have taken.</p> <p>Using their knowledge from maps/walk they should identify what Barnsley / their local area currently has in ways of amenities (e.g. housing, schools, transport links, shopping centre, leisure centre). They should then identify what other amenities the people of Barnsley may wish to have / need to have (e.g. nature reserve, zoo, aquarium, ice rink, sports stadium etc) based on carrying out research (e.g. survey of class, school, parents). They could use different ways to carry out their survey (e.g. school website, internet to research existing similar places across country e.g. zoo, sports centre).</p> <p>Pupils should collate and present their findings in some form – choice of presentation method (e.g. a presentation to class, a written report, graphs etc).</p> <p>Pupils should work in small groups (e.g. 3-4) to design a development area for town (e.g. zoo, leisure centre, retail centre, village hall, landscaped gardens, housing etc). Pupils should use their earlier map work to identify the ideal location for their design and present this in their findings / report / presentation.</p> <p>They could create sketches and / or a computer aided design. They should then create a model / scale model of their design. (It is</p>	<p>Geography Design Technology ICT Art and Design</p>	<p>G – 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>G - describe and understand key aspects of 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>G – use maps to describe the features studied</p> <p>Comp – understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration</p> <p>A & D – Learn about the work of great architects and designers in history</p> <p>DT – generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes and computer aided design</p> <p>DT – 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>DT – apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p> <p>Comp – select, use and combine a variety of software</p> <p>Comp – present data and information</p> <p>Comp - To be able to use search technologies effectively, appreciate how results are selected and ranked and be discerning in evaluating digital content</p>

<p>recommended that each group uses 2- 4 large sheets of poster paper stuck together as the base of their design then use a range of materials to create the model (e.g. tubes, nets of cubes, cuboids etc)</p> <p>Present their final idea/development to Barnsley Council Development and Planning Committee (possible link to local councillor, e.g. MP Dan Jarvis)</p> <p>They could create advertising for their development to the public (e.g web page, information leaflet, short video using ipads, poster)</p> <p>Possible Visits In/Out: Building companies Town hall / Town planning (e.g. local MP) Architect (interview to learn about design process)</p> <p>LITERACY LINKS: Explanation text / planning proposal (inclu S & L) Persuasive text – letters of complaint and formal letters, Additional literacy opportunity - Report writing</p>		
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