

Year B Design and Technology KS1

Topic	Design	Structures	Mechanisms including electrical control	Materials including food
All about me	Identify a purpose for what they intend to design and make	Learn techniques to age paper		
Weather Experts	Begin to draw on their own experience to help generate ideas and research conducted on criteria	Learn different structures for building kites		Consider the properties of different materials and select an appropriate material for their project
Great Fire of London	Begin to develop their design ideas through discussion, observation, drawing and modelling Develop their ideas through talk and drawings and label parts. Make templates and mockups of their ideas in card and paper or using ICT	Consider how to make a strong structure; Foundations Strong shapes Overlapping bricks https://www.bbc.co.uk/teach/class-clips-video/design-and-technology-ks2-making-structures-stronger/z626hbk		Compare and contrast building materials available today and 450 years ago Consider the effects of these being exposed to fire
Food				Learn about rationing in WW2 Learn about the seasonality of food Know how to prepare simple dishes safely and hygienically, without using a heat source. Know how to use techniques such as cutting, peeling and grating
Carnival of the Animals	Identify a purpose for what they intend to design and make Begin to understand the development of existing products: What they are for, how they work, materials used. Start	Build structures, exploring how they can be made stronger, stiffer and more stable		Consider the properties of different materials and select an appropriate material for their project

	to suggest ideas and explain what they are going to do			
Oceans and Seas	Begin to develop their design ideas through discussion, observation, drawing and modelling	Begin to assemble, join and combine materials and components together using a variety of temporary methods e.g. glues or masking tape. Begin to use simple finishing techniques to improve the appearance of their product		Consider the appropriate materials for their construction

EVALUATION

Evaluate their work against their design criteria

Start to evaluate their products as they are developed, identifying strengths and possible changes they might make

With confidence talk about their ideas, saying what they like and dislike about them