

Year 3 Shadow Puppets

Key Focus of the Unit		en will experimen cellophane, card	ow puppetry and will create a shadow puppet, it with the effects that different materials have , lace, mesh, net. The children will learn about
Objectives	 Investigate how objects made from different materials cast shadows. Understand how a shadow changes depending on the object's orientation. Understand opaque, transparent and translucent and the shadows these objects cast. Investigate how the orientation of an object affects the shadow. Create jointed shadow puppets controlled with a flexible stick Designing Generate realistic ideas and their own design criteria through discussion, focusing on the needs of the user. Use annotated sketches and prototypes to develop, model and communicate ideas. Build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users Making Select from and use appropriate tools with some accuracy to cut, shape and join paper and card. Select from and use finishing techniques suitable for the product they are creating. 	Vocabulary	Transparent Translucent Opaque Design, Develop, Purpose, Materials, Function. Hinge Joint Shadow Light Source Fixed pivot Loose pivot Purpose Function Design brief Design criteria Innovative User Appealing

	 Distinguish between fixed and loose pivots. Evaluation Pupils will design, make and evaluate their puppets against their own design criteria and consider the views of others to improve their work 		
Prior learning/Understanding Future learning/Understanding	In Key Stage 1, children will have gained experience of basic cutting, joining and finishing techniques with paper and card. Children will build upon this knowledge in Year 6 – Light- science. Children will use skills of cutting and joining and these will be developed further in the Year 4 topic of lighthouses.	Curriculum links Safety Points and Common Misconceptions:	 Science- Year 3 light topic Recognise that shadows are formed when the light from a light source is blocked by an opaque object. Find patterns in the way that the size of shadows change English: Spoken language Listen and respond appropriately to adults and their peers Articulate and justify answers and opinions Use spoken language to develop understanding through exploring ideas Speak audibly and fluently with an increasing command of standard English Participate in discussions Consider and evaluate different viewpoints Art and design Use colour, pattern, line, shape Show the children how to use paper fasteners safely by placing bluetack under the card before making s hole in the card with a sharp pencil.

	Pupils should be taught to work safely, using tools, equipment, materials, components and techniques appropriate to the task.			
Assessment objectives:	Use written, verbal and practical observations of the children to assess the children's understanding of the objectives covered using FFT			