



St James' Church of England Primary School

Design & Technology Overview Sheet



Year 1 – Textiles: Puppets



Rationale: Children explore different ways of joining fabrics before creating their own hand puppets based upon characters from a well-known fairytale. Throughout they work to develop their technical skills of cutting, glueing, stapling and pinning.

Pre-unit task: Display Range of Puppets

Attention Grabber: Tell the story of Little Red Riding Hood, either using a book or the link: 'Little Red Riding Hood Gigglebox' on VideoLink. Get the children to discuss the following: Who are the main characters in the story? (List them on the board) What do the children know about the appearance of the main characters? (Add to the list

Learning Objectives:

- Explore and evaluate a range of existing products
- Select from and use a wider range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing), accurately
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Overview:

Lesson 1: Joining fabrics - To join fabrics together using different methods
 Lesson 2: Programming a navigation tool – To write a program to include multiple functions as part of a navigation device
 Lesson 3: Product concept – To develop a sustainable product concept
 Lesson 4: 3D CAD models – To develop 3D CAD skills to produce a virtual model
 Lesson 5: Product pitch – To present a pitch to 'sell' the product to a specified client

Cross Curricular Links

English – Become familiar with key stories

Resources

- A story book of Little Red Riding Hood (optional) • Link: 'Little Red Riding Hood- Gigglebox' on VideoLink (unless using a story book) • Glove, mitten and hand puppet examples • Fabric scraps – six pieces per pupil in total, divided across the three tables set up for each joining technique • Safety pins • Staplers and staples • Fabric glue (or PVA as an alternative – PVA will work on some fabrics like felt) • Activity: Joining techniques reminder sheet (see Print and Classroom resources) • Three tables set up for each of the fabric joining techniques (see the Main event): • Scraps of fabric – two per pupil • Safety pins • Scraps of fabric – two per pupil • Staplers and staples • Scraps of fabric – two per pupil • Fabric glue (or PVA as an alternative – PVA will work on some fabrics like felt)

Impact/Assessment

Most Children will: • Their ability to join fabrics together using pins, staples or glue.

More Able Children will: • Their ability to decide how best to join fabrics together using pins, staples, or glue.