Resources

Design and technology is a subject that requires a range resources for pupils to design and make products. The resource needs fall into two categories:-

a. tools and equipment;
b. consumable materials and components.

The resource requirements for each of the projects in this scheme of work are listed. As a guide for basic resourcing the following list might be helpful.

General construction work

Rulers
Small try-squares
Junior hacksaws
Bench hooks
Drill and drill bits
Hole punches and paper drills (TTS)
Scissors
Small hammers
Small screw drivers
Vices that can be clamped to table-tops (e.g. Record V75B)
Wire stripper/cutter
Glasspaper
Small files
Glue gun

Consumables

Two very useful catalogues for a range of resources are:
TTS 0800 318686 www.tts-shopping.com
Middlesex University Teaching Resources 0208447 0342 www.mutr.co.uk

The following list would provide a general basic stock for general construction activities.

A range of card in different colours and thicknesses
Thick construction card is useful for a variety of activities (Pasted Greyboard 2250 microns obtainable from South Wales Paper Co. 01446 735522).
8mm and 10mm square section pine from TTS.
15mm X 5mm wood strips from TTS.
Dowel rod from TTS for axles and masts.
A range of wheels from TTS or Middlesex (The Primary Bumper Pack from the Middlesex catalogue is particularly good value).
Electric motors (Middlesex MM12).
Motor mounting clips (TTS).
Switches (Middlesex ES1 001 or ES1 007).
Battery holders (Middlesex)
Selection of gears (Middlesex Primary Bumper Pack; Worm gear TG1 011

For Textiles work

Scissors
Assortment of fabrics : Polyester Cotton; Hessian; Felt; Dipryl; Binca from NES Arnold
Bit bag – teachers' collection of varied fabrics.
Fabric glue
Fabric Paints and Crayons
Ribbons and thread
Wool
Sequins
Computer transfer paper from Jetica 01603 748002 www.jetica.com

For food activities

Chopping boards
Vegetable knives
Forks
Spoons (not wooden)
Plastic aprons
Anti-bacterial spray
Disposable dish clothes
Plastic bowls and plates
Laminated table cloths
Plates
Dishes
Bowls
Peelers
Bucket
Washing-up bowl
Refuse bags
Measuring jugs
Baking trays
Cooling rack
Oven gloves
J.Clothes

Computer Control

There are many computer control systems available, some of the most popular area: Contact Controller from Data Harvest, Co-Co and Control Station from Economatics. Data Harvest have recently introduced their FlowGo system which is good value form money and comes with useful support materials. The Flowol programming software is easy for pupils to use and the Mimics, which allow pupils to practise with on-screen images, is useful to develop the principles of programming for control without the need for interface units. This would enable the pupils to become proficient at programming to maximise the use they make of the interface units when they have access to them to control things they make.