

CLEVER COVER UP

Design Challenge

ACTIVITY OBJECTIVES

- To work together as a group.
- To discuss and plan ideas.
- To produce a working model from their plan.

Explain to the class that Wimbledon has built a retractable roof over Centre Court, so that play is not interrupted if it rains.

The children's group challenge is to build a model of the new Number One Court with their own design of another moveable roof.

This lesson would be better done in two parts, planning at the beginning of the week and making at the end of the week.

WHOLE CLASS

- Look at the pictures of Centre Court, and Number One Court on the internet: www.wimbledon.org and discuss what sort of roofs might be possible e.g. rolled, sliding, folding, flap etc.
- Put the children into groups of three or four and give them five minutes to discuss what their plan might be and to jot down their rough ideas.
- Bring them back together and share the ideas from each group talking through potential problems and suggesting ways to resolve them, e.g.
 - how to fix the roof on
 - how to keep the outside wall oval in shape without collapsing! etc.
- Tell the children what materials will be available to them in school and send them off to make a comprehensive list of what they are going to need and possibly what they will have to bring from home to build their model.

HELPFUL HINTS:

- 1 Do planning at the beginning of the week to give children time to bring in materials e.g.
Cereal boxes / shoe boxes
Card
String
Lolly sticks / green garden sticks
Paper
Fabric, etc
- 2 Send a note home to parents asking for thinking / planning help at home, and possibly practical help during the 'making' afternoon.
- 3 Allow the children to come in their own, old clothes for the day.
- 4 Have the following out and available for use: glue, card, paper, corrugated card, Sellotape, masking tape, staplers, string, dowelling, syringes, paint, newspaper etc, etc!!