

## Extra Cover Instructions In addition to the lesson plan

<http://www.nicholsongraphics.com/primeview/pdf/y9/91-4of6.pdf>

### For making the "House and Garden" model Monday and Wednesday periods 3 and 4

Our Technician, will need to cut more strips of garden wall, from 3 mm MDF with a width of 10 and 20 mm, during periods 1 and 2 on Monday. White emulsion paint coloured with acrylic paint will need to be pre-mixed to match existing colours for house / wall exteriors and roofs.

### Week 4 of the project: Construction and Assembly

1. Ensure that you have all the resources:
  - a) One (1) A4 3mm MDF base board
  - b) Six (6) pieces of card to make four walls and roof
  - c) Premix paint coloured for the walls in a film pot
  - d) Premix paint coloured for the roof in a film pot
  - e) Two (2) small film pots of coloured sawdust
  - f) Newspaper, flat brush for painting walls and roof, separate flat bristle brush for the glue and PVA glue
  - g) One (1) Strip of 1:100 scaled windows and doors
  - h) One (1) cut-out 1:100 scaled solar panel
  - i) 10 mm (for road front) and 20 mm (for boundaries) strips of 3mm MDF for garden walls
  - j) Ensure that all parts are marked with the students name written on an inner surface of the card and underneath the board.
  - k) Two (2) pieces of pre-dyed sponge
  - l) One (1) large envelope (donated by the Scrap Store)
  
2. **Differentiation:** level 5.8 and above students should have baseboards marked with three garden walls (**lines in red**). Level 4.8 to 5.8 to have two garden walls. Below 4.8 to have only one garden wall.

3. Finish painting the outer surfaces of the card for the house or bungalow and the perimeter walls. Ensure that the brush is only ever 1/3<sup>rd</sup> charged with paint - students to be reminded to wash brushes carefully at the end of this sequence. Allow paint to dry, assemble and fix to the base-board using an appropriate adhesive.
4. Lay out newspaper or use containers to collect sponge pickings for recycling and further use as plants and shrubs. Students to carefully pick very small pieces of sponge off the edges of the pieces supplied to them, until having an appropriate tree shape. Bamboo skewers may be used for the tree trunks but do ensure the sharp tips are broken as soon as embedded in the sponge. Discuss Health and safety implications.
5. Students to be assisted with the drilling of 2.5 mm holes through their baseboards to accommodate the "tree trunks".
6. Provide each student with a strip of windows and doors. Cut out with scissors. For well disciplined groups only, craft knives may be used to notch out the internal corners of the window frames. Using a glue stick, apply according to the heights specified in the orthographic drawings.
7. Issue pre-cut 1:100 scale solar collection images. Students to ensure that this is neatly affixed to the south facing roof of their model.
8. Students are to be carefully led through the clean-up process and well informed of expectations, one step at a time. Students to review second model making lesson during the plenary session (10 minutes) and reminded that next week the project will be concluded with a final written and peer evaluation. Indicate how well they have done thus far (provide much approbation)

S J Nicholson, 7 November 2003 (open document)

Please distribute copy to Ms A. Evans, Head of Faculty  
Mr T J Wilkes, Deputy Head  
Mr J Mann, Technology Department  
Mr J Townsend, Technology Technician