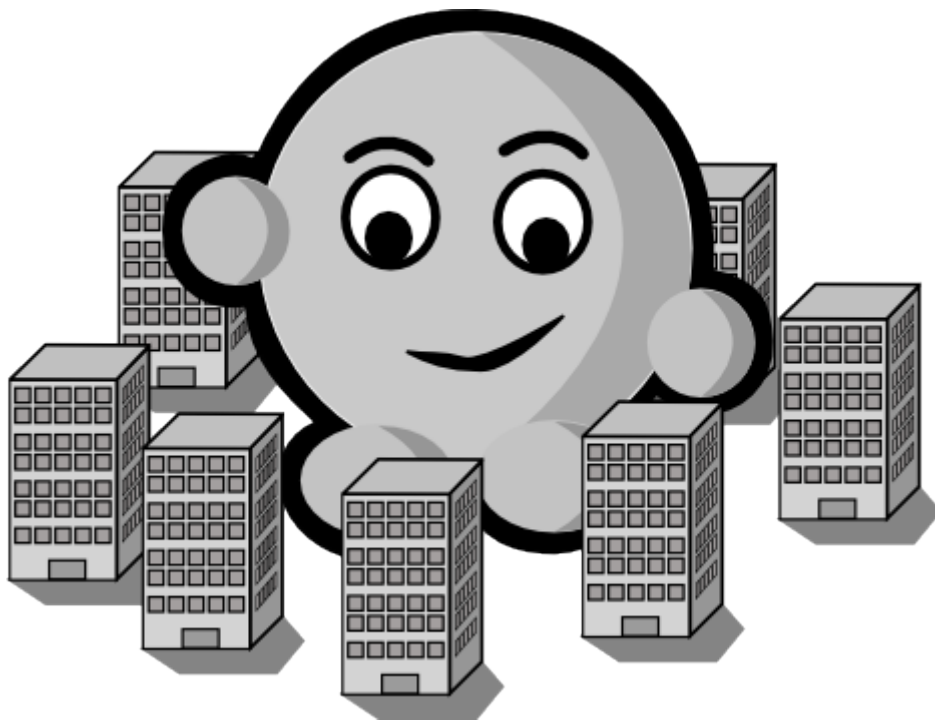


Town Planner

Introduction to technical drawing, mock-ups and models



Brief:

Work in groups to design buildings for a town that you will then model. You will use mock-ups to show your concept work and then produce one final model each. All the final models will be put together and photographed.

Your building design needs:

- To use one of the following shapes: rectangle, pyramid
- show the materials it is built from (eg. Brick, wood, concrete, marshmellow)
- to be to the same scale as all other models

The Design Process:

1. **Research** existing building designs. Look for different ways of using pyramids and rectangles. Look for different building materials. Write beside each design what you like and don't like about them
2. **Work in groups of 3 to sketch ideas** for buildings. Try lots of ideas. Show me those sketching skills. Render the sketches to show the different building materials.
3. **Build** simple mock-ups from paper to show different concepts for your own building. These will not be rendered.
4. **Draw a 3rd angle orthographic drawing** of the building showing the: top, front and one side
5. **Draw a surface development** of the building for the model
6. **Build** a final model of your building and use the computer generated images to show building material (I will provide: bricks, wood, tiles). Ask me for different materials.
7. Complete an **evaluation** sheet
8. **Hand in your finished building** with all the sketches, mock-ups, drawings and evaluation

Project Checklist

Check each of the tasks off as you complete them. Add the date you completed each.

Task	Date	Completed
Research of existing buildings and materials		<input type="checkbox"/>
Sketches of ideas for buildings in a group of 3		<input type="checkbox"/>
At least 2 mock ups of different buildings		<input type="checkbox"/>
3 rd angle Orthographic drawing of building		<input type="checkbox"/>
Surface Development of the building		<input type="checkbox"/>
Evaluation sheet		<input type="checkbox"/>
Handed in		<input type="checkbox"/>

How this will be assessed:

Task	Mark
Research: <ul style="list-style-type: none"> • at least 5 different buildings / 2 • written notes about each building / 1 	
Sketches: <ul style="list-style-type: none"> • at least 5 different ideas / 4 • one final idea for each group member / 2 	
Mock ups and Model: <ul style="list-style-type: none"> • at least 2 mock-ups created to show building shapes / 1 • orthographic drawing showing all three views / 2 • surface development for the model / 2 • final model showing building materials / 3 	
Evaluation: <ul style="list-style-type: none"> • the sheet has been completed / 3 	
Total:	/ 20

Evaluation Sheet

Name:

What do you like about your design?

What would you do different next time?

What is the most interesting part of your design?

Why is it interesting?