

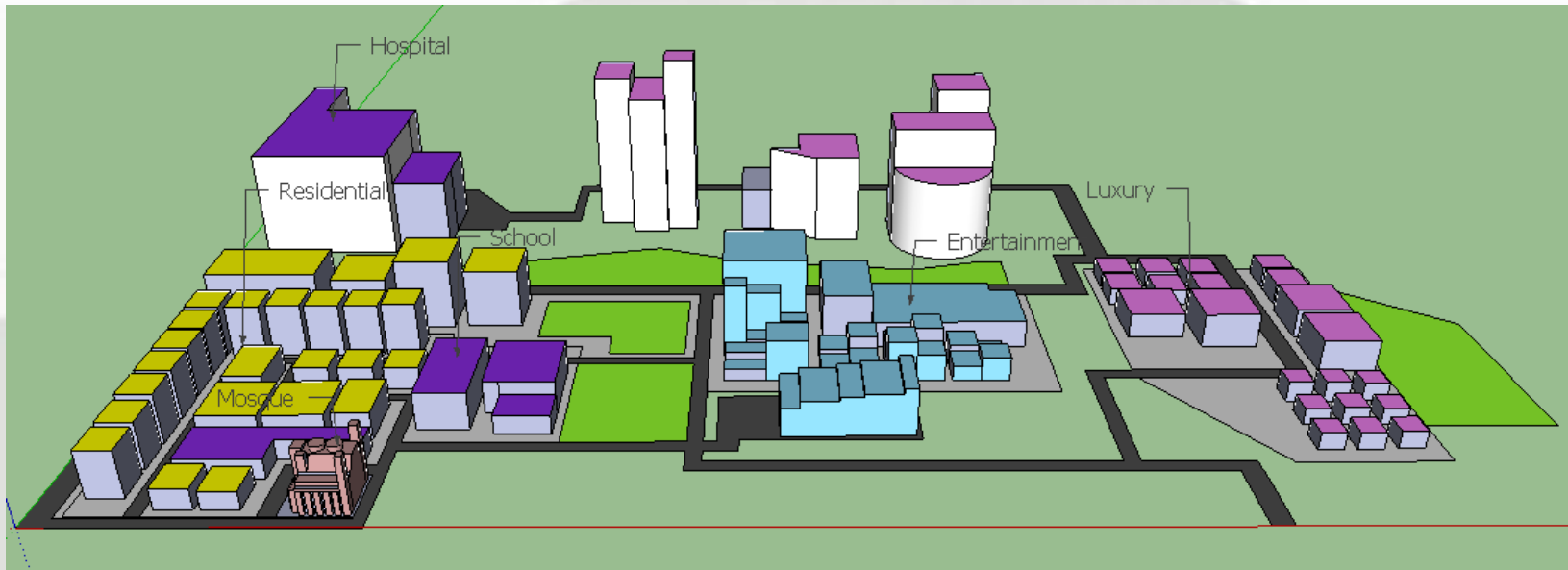
Google Sketch up – City Design

Project

<http://www.yahmad.co.uk/>

Starter – Discussion

What type of buildings will you include in your city design?



Project Overview

Overview

The developers have asked you to create a new design for a residential city. You will have to create an animated 3d model showing the different aspects of city.

Objectives

Understand the need to use a range of tools in Google Sketch up to create an effective 3D model.

Outcomes

| | |
|---------------|--|
| Task 1 | Design your new city – use the . |
| Task 2 | Create 3D model including animations |
| Task 3 | Evidence – including possible improvements |

Task 1 – Design

Create a design for your city.

- The designs need to be **hand drawn**.
- You need to **identify** the **different buildings (city zones)**.
- **Annotate** your designs.

Hand drawn Designs

Top view

Front view

What buildings will you include – refer to the starter activity.

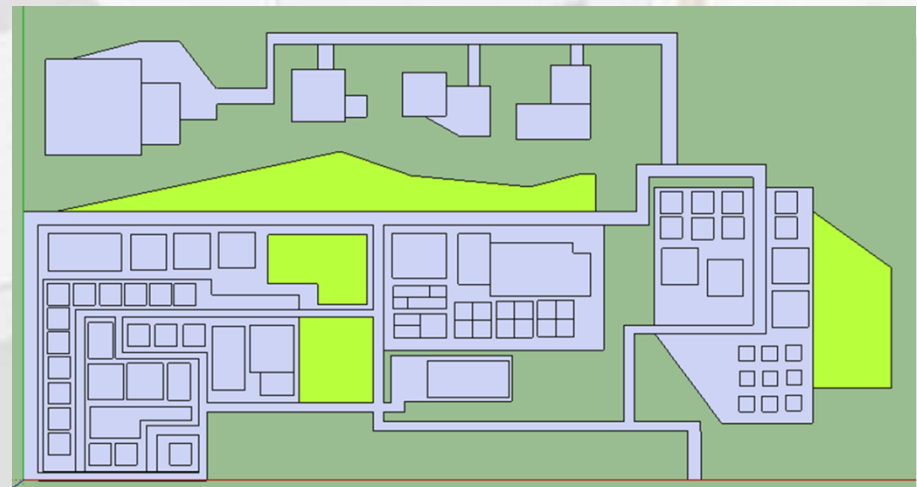
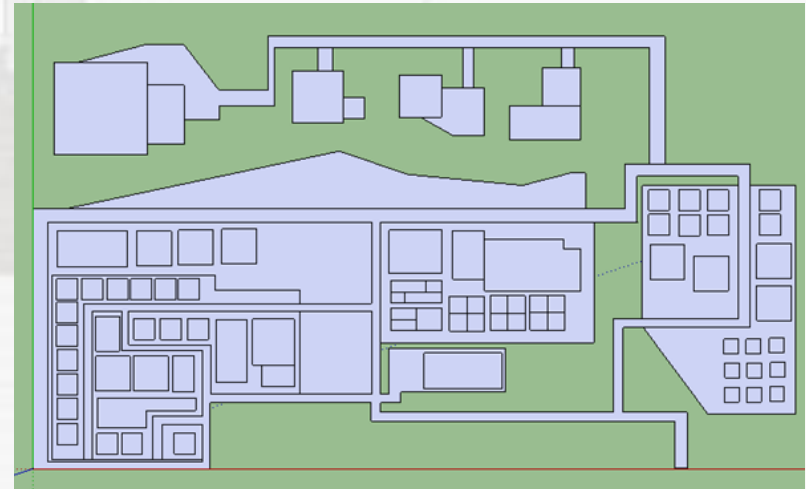
- 1.
- 2.
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- 4.
- 5.

Task 2 (Pt 1) – Create Top View

Shape tool Icons



Top View Icon

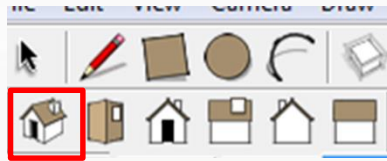


- 1) Switch to the top View.
View >> ToolBars >> Views

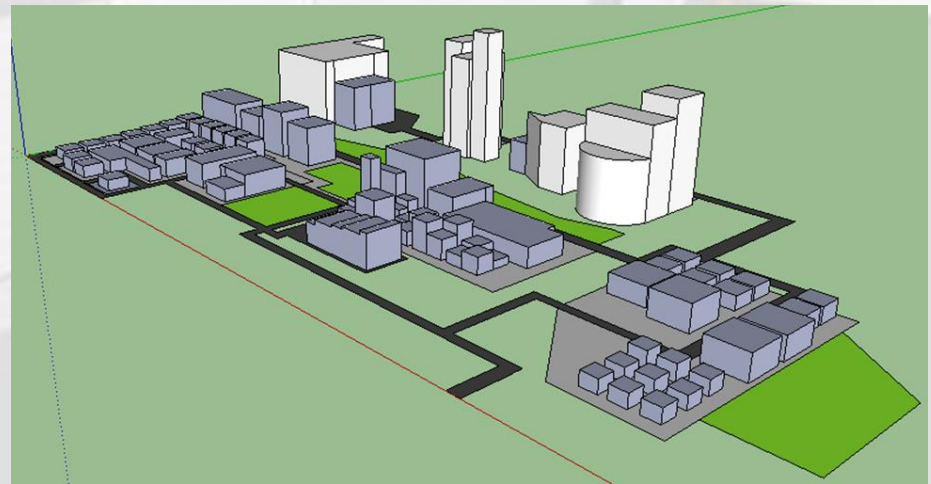
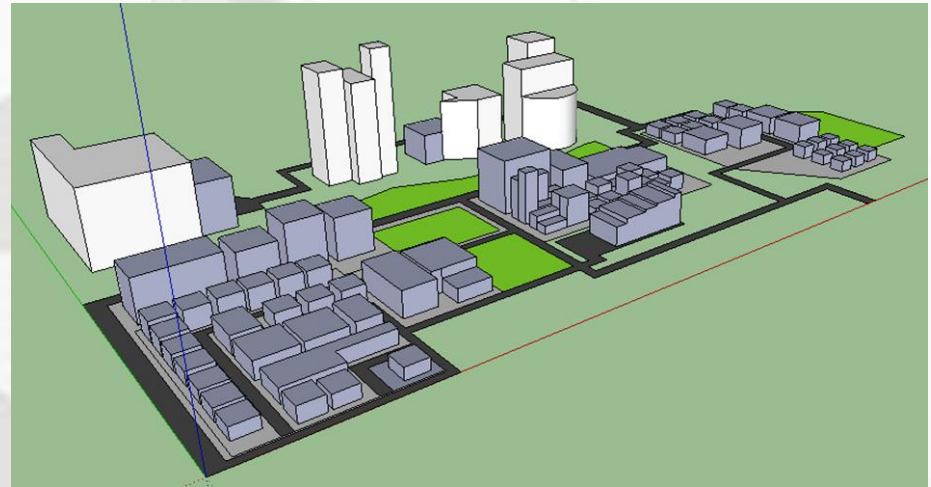
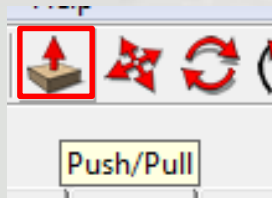
- 2) Using the shape tools draw the outline of your city.

Task 2 (Pt 2) – Raise Buildings

1) Switch views to ISO



2) Use the Push/Pool tool to raise your buildings

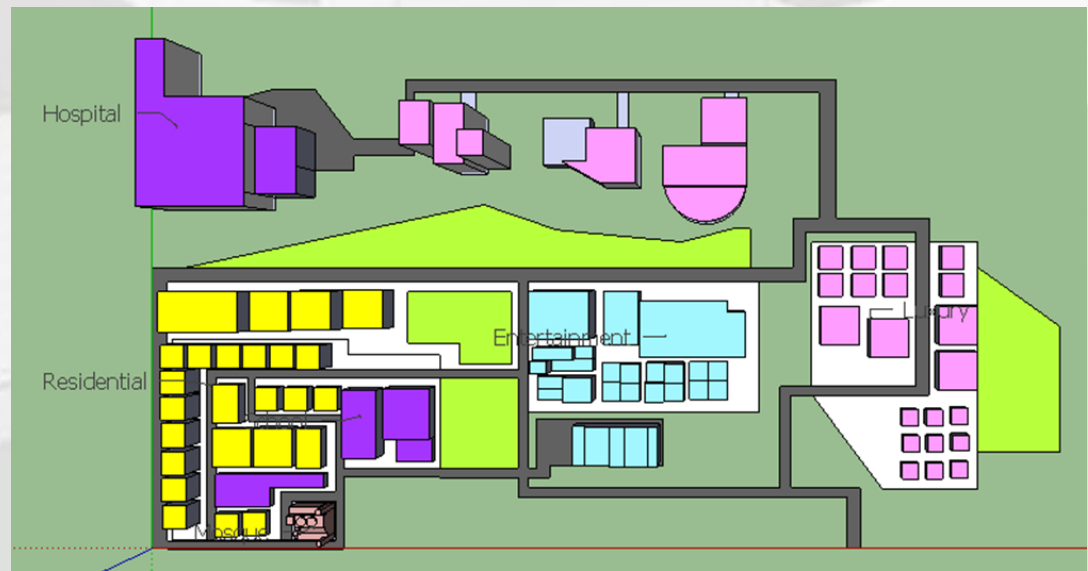
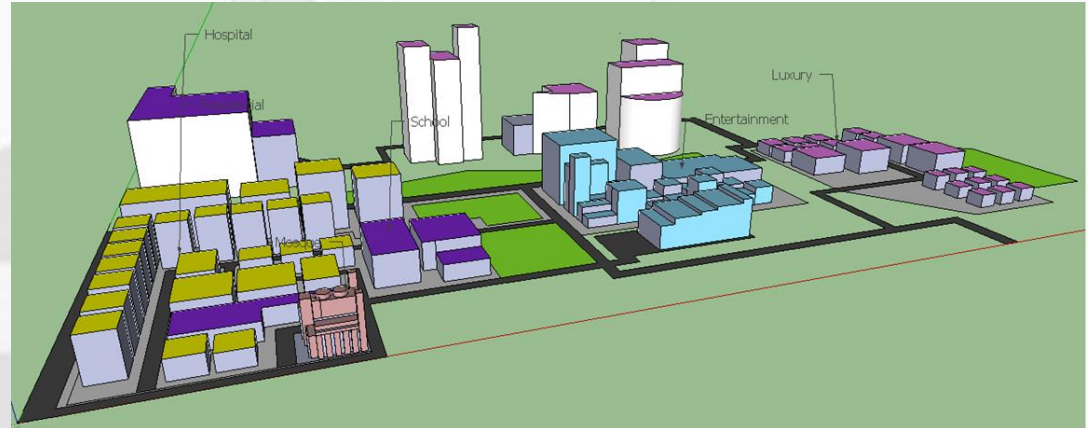


Task 2 (Pt 3) – City Zones



1) Use the Paint bucket tool to colour coordinate your city zones.

2) Label each particular city zone.



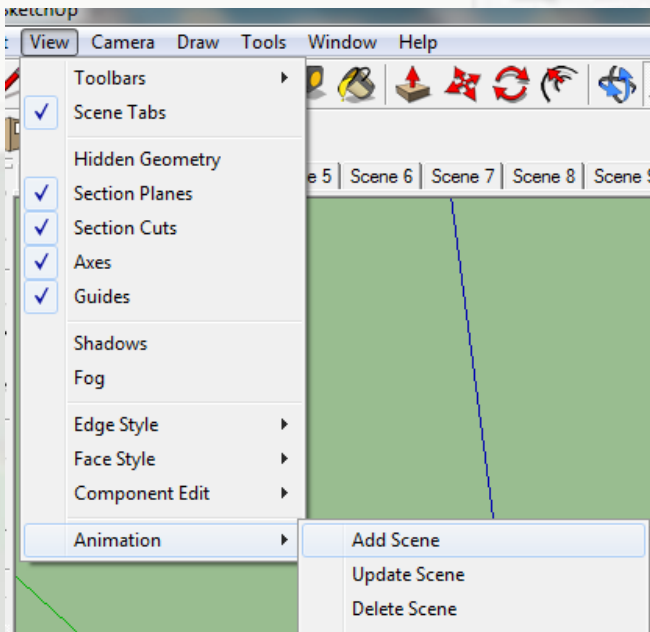
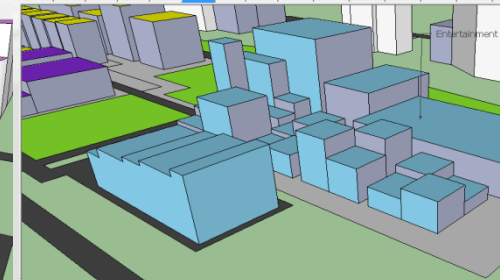
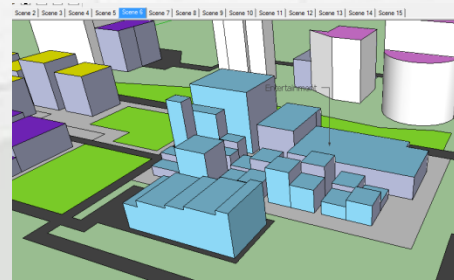
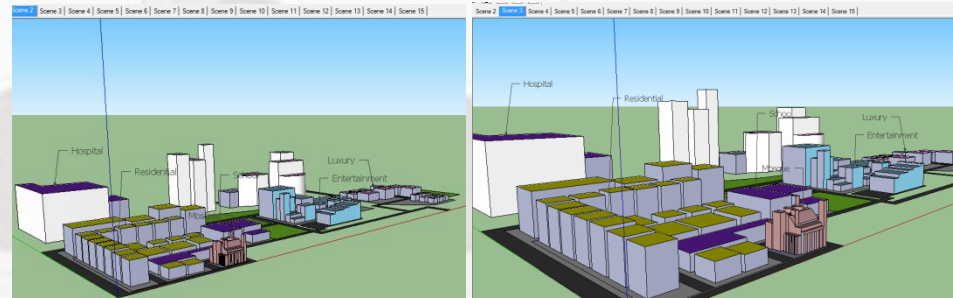
| | |
|---|------------------------------|
|  | School & Hosiptal |
|  | Residential |
|  | Entertainment |
|  | Luxury |

Task 2 (Pt 4) – Animations

1) Add new animation scenes

Views >> Animation >> Add Scene

For each scene change the camera angle.



Task 3 – Evidence

- Complete the evidence document. (Print screen the Side/Top Views of your completed mosque)
- Annotate your work
- Identify possible improvements you could make to your design.
- This will contribute towards your assessment. **Click to Download Document**

| Print screen | |
|------------------------|---|
| Print screen Top view | Identify Positive Feature of the design: |
| Print screen Side view | Identify possible improvements: |
| | What level are you working at (Give Reasons): |

Plenary – Refer to the Lesson Objectives

Objectives

Understand the need to use a range of tools in Google Sketch up to create an effective 3D model.

Plenary Task (Q&A)

Peer Assess each others work and suggest possible improvements.
Discuss the levels pupils have achieved for this task.
Present pupils work on the board.