

Student Sheet Task 2: MAJOR PRODUCTION '21ST CENTURY COMMUNITY SAFE HOUSING'

Overview:

In this task, you (the student) will create a designed solution for a group of houses that minimises criminal activities and promote community spirit.

The housing is intended to meet the following needs:

- 8-10 Houses
- Family accommodation (three to four bedrooms)
- Parking for two cars for each house
- A shared communal space with a playground and kitchen garden
- Provision for working from home to reduce the need to commute
- Minimisation of criminal activity through the use of **CPTED and Design Out Crime** practices such as natural surveillance and Crowe's 3D approach
- Use of **sustainable** building materials and the option for the community to generate at least some of its own power needs

You will show a detailed design process including alternate ideas and your reasoning. Interior layout is needed for one dwelling with final layout design of the whole site. Final designs will be produced using software such as SolidWorks, Sketch-up or AutoCAD.

How long will you need?

7 weeks, including work out of school and teacher instruction time.

What you need to do:

- Create two concept idea roughs/ mood boards showing master planning and detail with alterations and refinements of your chosen concepts. Use labelled annotations to identify how you have explored the brief.
- Research similar projects and the use of CPTED and Design Out Crime theories and examples to create safer housing and public space environments.
- Create your final building layout designs in a series of views, including explanation of reasoning.
- Make a **pdf file** (maximum 10Mb) containing your outputs and reasoning.

What needs to be in your folio for assessment?

Due dates:

- Two concept idea roughs/ mood boards showing the detail of your design process with annotations.
- Evidence of design and refinements based on CPTED theories and also any other relevant aspects with annotations describing your reasoning.
- Final building and layout designs with relevant details and annotations
- Pdf file (max 10Mb) containing your designed outcomes and reasoning.

Marking Key Task 2: 'Major Production'

NAME:

Assessment item	Available marks
Brainstorming, thumbnails, annotations and local research (6 marks)	
<ul style="list-style-type: none"> Thorough exploration, broad range of ideas, well resolved. Good exploration of concepts, easily understood, 3 or 4 solid ideas, well drawn. Well produced, but limited range of thumbnails, 2 or 3 ideas, showing promise. Single concept; poorly drawn ideation with no attempt to push ideas. 	<p>5-6 3-4 1-2 0</p>
Application of CPTED theories (5 marks)	
<ul style="list-style-type: none"> Annotation used for the project demonstrates high level of application of key CPTED strategies with the potential for incorporation of multiple strategies. Annotation involves a the clear application of a CPTED theory. Some good annotation though with limited application of CPTED theory. Annotation is weak and largely ignores or misinterprets CPTED theory. No annotation or discussion of CPTED theory integration. 	<p>5 3-4 2 1 0</p>
Design process and refinements (12 marks)	
<ul style="list-style-type: none"> Refinements clearly detailed, showing multiple iterations of different ideas in a well presented form based on solid research. Development refinements shown based on good research, but some stages jump or skip steps. Basic refinement development process, not clearly demonstrating relationship between steps or with refinements based purely on one factor. Little evidence of refinement or process often with basic association to the brief. No evidence of design process/ refinements. 	<p>10-12 7-9 4-6 1-3 0</p>
Evidence of media testing (5)	
<ul style="list-style-type: none"> Media testing evident in each stage of the project including drawn and digital efforts well represented. Good media testing generally, though some gaps are demonstrated. Basic media testing process, with testing being fairly arbitrary rather than focused on achieving a specific goal in the brief. No evidence of media testing 	<p>5 3-4 1-2 0</p>
Final product (7 marks)	
<ul style="list-style-type: none"> Final product looks of professional quality and clearly answers the original brief. Final design is of a good standard though show some inconsistencies. The final design does not incorporate a major aspect of the brief or does so in a poor way. No evidence of a final product. 	<p>6-7 4-5 1-3 0</p>
Total	/35

<p>Teacher comment</p>
