

YEAR 9

Independent learning to be completed during school closure

DT

During a two week period you would ordinarily have:

2-3 DT lessons

Lesson 1 – RESEARCH

1. Research the following topic: **Sustainable Design**
2. Watch this video on BBC Bitesize about sustainable buildings:
3. <https://www.bbc.co.uk/bitesize/clips/zhx4d2p>
4. Do your own research on the internet looking at sustainable buildings. You could choose to research different ways buildings save energy
5. If you have access to Power-point create a presentation of what you have discovered. If you don't, try making notes and diagrams of your research on a sheet of A4 paper.

Lesson 2 & 3 – Design

Thinking about the research you have been doing, produce an A4 page showing your design for a sustainable building. This could be anything from a house, restaurant, sports centre or even an indoor swimming pool!

Remember your designs should include the following:

- Explain what your building does, how does it help reduce energy?
- Try and draw your design in both 2D and 3D Isometric
- Add colour to enhance your design
- Label all of the main features
- Use Thick & Thin line enhancement
- Think about what type of technology your building could use?

When you have finished send your work to me either by attaching the file to an email or taking a photo of your design and emailing that.

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