

### **Grand Designs**

Students will recap the basics of sketch up that they should have covered in year 8, then they will be introduced to a Pearson style assignment brief which highlights what they need to create to be successful in this project. Firstly the students will be introduced to project planning methods and methodologies to plan their Grand Designs project. The students will be asked to create a 3D model of a large detached house, a bungalow, a flat and its interior. After creating models they will create a presentation pitch to stakeholders about their 3D models and how much each one will cost to the customer.

### **Home Learning:**

Students are expected to carry out some research into house prices for the type of houses they are going to model ready to give example prices for the pitch presentation

### **Key Questions:** (A list of key questions)

- What do I already know about SketchUp/PowerPoint?
- What tools do I need to learn on SketchUp?
- What is the difference between a house, flat and bungalow?
- What project planning techniques are available?
- How will these project planning techniques help my work?
- What is the difference between the Waterfall and Agile methodology?
- What methodology best suits this project?

## **Diagnosis & Smith Proforma**

- Retrieval activities from SketchUp tutorials used last year.

## **Therapy**

- Demonstrations of features of SketchUp and some advance features not used in year 8.
- Using new software for project planning (Project Libre).
- Peer and self-assessment tasks to deepen understanding of content.

### **Students will:** (Success Criteria)

- Be able to create 3 different types of 3D model using SketchUp.
- Be able to use project planning techniques to inform planning in response to a brief.
- Be able to describe the differences between Waterfall and Agile methodology
- Be able to develop a sales pitch for the three types of property modelled using the right language to target stakeholders.

## **Testing**

- Students will complete an assessment in the middle and at the end of the unit to demonstrate the skills they have learnt