

**Key Learning**

**Key Vocabulary**

Architecture	the art or practise of designing and constructing buildings or structures
CAD	Computer Aided Design
Design Brief	a short statement of intent by a designer as to what they intend to design and manufacture.
Development	Reviewing the designs created so far in order to adapt and change them to meet the users' needs.
Drawings	A plan of the final design which is then constructed.
Ergonomics	The relationship between a product and its user.
Evaluate	Determining the actual worth of the quality of the final product
Isometric	A 3D drawing technique
Primary Research	Finding out information directly from the source itself.
Prototype	A model or sample of a product that is tested to ensure it works
Render	Adding colour to the final design
Secondary Research	Finding out information that already exists from another person.
Sketch	A rough drawing of a given object
Specification	A detailed description of what is being designed and made
Structure	A building or an object that has been constructed from several parts.
Suitability	How well the product actually meets the users needs.

Does your design meet the brief given to you by the client?

How can your product be improved further?

What production techniques can be used to make the product?

- How computer aided software can be used as part of the design process.
- before designing any new product, it is important to understand what already exists in other products that are similar to what we are wanting to design that are already for sale.
- A design brief is an important part of the design process as it helps the designer focus on what needs to be achieved.
- More than one design may be needed and a prototype can help a designer test their ideas.
- Using a 3D design programme can help the designer and the client visualise the design. It can help the designer make important changes to a design before it is made.
- Evaluation is important as it helps to make improvements to the product. It is important that the design of products continues to evolve and develop,

