Year 7 Long Term Scheme of Learning 2023-24



Design and Technology

Date	Exams/ Assess	Unit(s) Project themes maybe taught in a different order to what is indicated below.
4/9/23		The design process - Timbers - Block Bot
11/9/23		What is design and technology? Project reflection, the design
18/9/23		process key concepts.
25/9/23		 Product analysis – key features and functions of products.
2/10/23		Contextual and tasks analysis.
9/10/23		Timbers – origins and characteristics.
16/10/23		 Developing a design brief and development of design ideas. Standard components.
30/10/23		Practical make activity.
6/11/23		Health and safety in the workshop.
13/11/23		Knowledge and understanding of materials, process and
20/11/23		techniques used to create functional products.
27/11/23		Manufacturing plans.
4/12/23		
11/12/23		
1/1/24		Developing design ideas - Polymers - Phone Stand
8/1/24		What is design and technology? Project reflection, the design
15/1/24		process key concepts.
22/1/24		 Product analysis – key features and functions of products.
29/1/24		Contextual and tasks analysis.
5/2/24		Communication techniques.
12/2/24		Isometric and perspective drawing.SCAMPER design development.
26/2/24		Computer Aided Design / Manufacture.
4/3/24		Polymers and forming processes.
11/3/24		Standard components.
18/3/24		Manufactured boards.
25/3/24		Practical make activity
15/4/24		Technological advancements - Mini LED light
22/4/24		Project reflection.
29/4/24		Advancements in technology.
6/5/24		Ergonomics.
13/5/24		Design sketch work.
20/5/24		 Prototype card modelling techniques.
3/6/24		Product analysis and task analysis.
10/6/24		Development of design ideas.
17/6/24		Computer Aided Design / Manufacture.
24/6/24		Simple components.
1/7/24		Product assembly.
8/7/24	_	Evaluation.
15/7/24		