

Skills

Year 11 "Becoming KSS Ready"

- Respond to a design context.
- Understand how to draft their own design brief.
- Know how to conduct a designer analysis.
- Develop their CAD Modelling.
- Know how to manufacture their own final outcome in the workshop.

Year 10 "Developing into Independent Learners"

- Understand metals and their properties + be able to explain metal manufacturing processes.
- Analyse the work of Rennie Macintosh.
- Have developed and marketed a design for the client - Design Museum.
- Understand and be able to identify packaging + boards.
- Analyse the work of Apple.

Year 9 "Developing Skills to Enhance Learning"

- Know how to respond to a design brief.
- Developing visual communication skills.
- Understand and be able to identify different forces and stresses.
- Be able to manufacture a mechanical device using the correct tools.
- Understand and be aware of different forms of energy generation including sustainable sources.

Year 8 "Taking Responsibility for Learning"

- Understand and be able to identify design movements.
- How to draw using isometric projection.
- Be aware of sustainability in packaging.
- Understand what CAD/CAM is.
- Understanding polymers & their properties
- Know how to solder an LED circuit.

Year 7 "Transition to High School"

- Develop an awareness of Health & Safety
- Develop accurate measuring skills.
- Know how to construct a net.
- Understand materials and their properties.
- Understand how to solder a circuit.
- Understand how to use tools safely and with precision in the workshop.

Knowledge

