

Design and Technology

Year 8 Topic – Electronic Systems



Sequence		Learning Aims
1	Design History	Learn how design has been influenced and shaped by art, culture and world affairs throughout history.
2	Systems Design	Learn how to use the design process as a method of problem solving when working in teams.
3	Systems Design	Learn how to develop an idea by analysing and reflecting on feedback from others.
4	LED Lamp	Learn how to mark, cut, and shape timber based materials.
5	LED Lamp	Learn how to join timber based materials with adhesives and standard components.
6	LED Lamp	Learn how to solder electronic components together.
7	Crane Challenge	Learn how different engineering principles can be combined to make functioning solutions.
8	Laser Cut Puzzle	Learn how to draw and prepare designs for CNC output.
9	3D Engineering Components	Learn how to produce precise engineering drawings using digital tools.