



The Mall School

Curriculum Guide

DESIGN TECHNOLOGY

Year 8

Teacher: Mr Lang
Lessons: 1x 75mins

MP3 Speakers

Introduction:

This is the first electronics project that the boys will make. The class will solder together a kit of prescribed components before designing and making the housing for a speaker which they can use with their phone or iPods.

Key Objectives:

- Recognise and understand the function of basic electronic components
- Be able to correctly align and solder components in place
- To be able to identify and solve problems arising from soldering
- To design and make an elegant housing solution for the circuit board
- To evaluate the completed design

Resources:

The main equipment in use will be the soldering equipment for the circuit board and the housing will be made using plywood and/or acrylic. The machinery used will be bench drills, disk sanders and hand drills along with a selection of hand tools at the workshop's disposal