

Junior School Assessment Guidelines for Year 10 Technology

September - June

Year 10: September – December

Course Overview: Computer Aided Design and Manufacture

- **Practical Project:** Students will use CAD/CAM to produce a range of design drawings and products.
- **Continuous Assessment:** Students will be assessed on 4 specified homeworks each term.
- **Christmas Exam:** Students will be assessed on the knowledge and skills they have developed in their CAD/CAM course. This includes:
 - The Design Process;
 - Product research methods;
 - Product analysis;
 - Computer Aided Manufacturing processes.

Year 10: January – June

Course Overview: Electrical Audio Amplifier Project

- **Practical Project:** Students will manufacture an audio amplifier and design a suitable case to contain it.
- **Continuous Assessment:** Students will be assessed on a powerpoint presentation they will make to explain the stages in manufacturing their Audio Amplifier.
- **Summer Exam:** Students will be assessed on the knowledge and skills they have developed in their Electronics course. This includes:
 - Matching electronic components and their symbols;
 - Knowledge of electronic circuits;
 - Use of the resistor colour code;
 - Designing a suitable casing for an electronic circuit.