**Term Two**

**Evaluation:** Testing product and responding to client feedback, suggesting suitable modifications

**Exam Theory,** Identification of alternative materials, parts, component and equipment and processes, CAM, health and safety, use of technology in engineering (CAD, CAM, CAE) and impact on society and environment,

**Manufacturing and documentation:** Alternative materials, parts and processes, evaluation of finished product against specification, CAD/CAM processes, suggest modification and improvements.

**Term One**

**Engineering Drawings:** Produce GA of drawings, assembly drawing, bill of materials, isometric assembly drawing, detailed parts drawings. All drawings must follow BS8888 engineering drawing conventions. The drawings will be produced of the students own design for their product

**Exam Theory**: production planning, working sequencesjigs moulds, machining and treating materials, quality issues, surface finishing

**Workshop Safety and Manufacturing:** Production planning, quality measures, evaluation of quality, fault finding and rectification, keeping inspection records, sheet metal cutting and forming

**Term Three**

Specific focussed revision based on awarding body preliminary material issued for the exam.

**Subject: GCSE Engineering Year Group:11**

