

# *Years 9 & 10 – Design and Technology*

*In years 9 and 10 design and technology we have a number of optional projects that the students can choose from. Students can select the subject once over years 9 & 10 and choose one of the projects, or they can select the subject four times and complete four different project.*

*Each Project goes through the same structure of five tasks, but each one will focus on different skills and yield a very different result.*

*The key skills that a well-rounded designer will have at the end of year 10 include, use of hand tools and jigs to cut and join timber. The use of specialist power tools, computer aided design, and computer aided manufacturing techniques including 3D Printing, Laser Cutting and CNC Machining.*

*Projects include:*

- *Small recycled timber furnishing*
- *A battery operated LED lamp*
- *A Bluetooth speaker box*
- *Architectural design (through making a dolls house)*
- *A mechanical engineering project (Year 10 only)*

