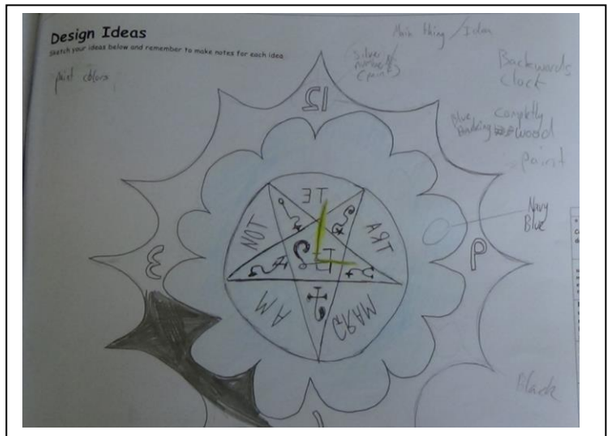
Year 8 Engineering Tech

The Clock Project

You have been approached by a clock manufacturer to produce a range of designs and a prototype for a new wall clock for a ***teenager's bedroom*** that can be mass produced. It can be made from acrylic, sheet metal, or plywood

Main Learning Focus

1. How to research and design within limitations.
2. Materials, finishes and bonding techniques.
3. Research different clock mechanisms.
4. Sophisticated idea development through modelling, drawings and construction study.
5. Production methods, manufacturing processes and costing.
6. To develop a greater understanding of the design process.
7. To generate your own design proposals.
8. To gain an understanding of the properties of plastics, sheet metal and plywood.
9. To improve your ability to work accurately and safely with tools.
10. To use various finishing processes to produce a quality article.