

Year 7 Design and Technology

Timber project: blox bots

- Health and safety in the workshop.
- How to use a range of hand and bench mounted power tools.
- Researching ideas and designing a blox bot.
- Understand how to use the 2D Design computer programme and be able to create a CAD file.
- Cut plastics to shape using the laser.
- Create blox bot from pine wood.
- Customise blox bot to match designs.

Plastics project: Bauhaus inspired clock

- Health and safety in the workshop.
- How to use a range of hand and bench mounted power tools.
- Research "The Bauhaus" and Wassily Kandinsky.
- Sketching and drawing skills development.
- Developing ideas and designing a clock.
- Cut plastics to shape using hand and power tools.
- Manufacture a clock in acrylics.
- Evaluate own designing and making upon completion of a project.

Advice to students for independent study

- Students are advised to keep up to date with key knowledge in their exercise book.
- Make sure that diagrams and notes are clear which will make it easier to revise from for the end of unit test.