



Resistant Materials Technology

Overview of the year.

Year 7,8,9 students study 6 resistant materials projects and have training in working safely in the workshop.

Projects are;

- Designing and making a wooden pull a long toy
- Designing and making a mini light from plastic.
- Designing and making a game based on a 'Green theme'. (mixed media)
- Making a wind powered machine.
- Investigating and making simple jewellery from mixed materials including hot metal casting.
- Investigating ergonomics and anthropometrics.
-

Students learn about and undertake the '**design and make process**',

- Designing for purpose,
- Writing a design brief,
- Investigate and analyse a design context,
- Write a design specification,
- Produce a series of imaginative design drawings and develop their designs into good quality finished practical products.
- Throughout the process students test and evaluate their work and check against the design specification.

Everyone enjoys making things, and all year groups learn practical skills, beginning with Marking out, cutting and shaping, assembly and finishing.

Students may take finished work home after marking.

Resources and websites

Past papers, resources, homework can be found on **Moodle**.

The Design and Technology Association: -

www.designmuseum.org

www.ergonomics4schools.com

www.designcouncil.org.uk

www.technologystudent.com

www.designandtech.com

