

KS3 Resistant Materials

Resistant Materials forms part of the Technology carousel in years 7, 8 and 9. In years 7 and 8 every student will experience a ten week programme of study. This will include two projects. In year 9, students will experience a 5 week programme until the February half term. This enables them to make an informed choice for their GCSEs. Students then return to do a three week focused practical task.

Year 7 Content

Project 1

Toothbrush holder - students will carry out experiments with thermoplastic materials.

Project 2

Insect Hotel - students examine ways of assembling timber and manufactured boards.

Year 8 Content

Project 1 and 2

Stationary storage holder

Nesting box

Project 3

Promotional clock

Students design and make a clock to promote a local football team, dance/drama group.

Year 9

Project 1

Interior Design project - students are asked to design a teenagers bedroom. The most successful schemes are entered for a national competition.

Project 2

Helping hand tool - students design and make a device to enable a disabled person with limited reach to retrieve objects.