



# The Polesworth School

Ensuring Excellence

## Curriculum information for Technology Product Design: Resistant Materials Year 10

<b>Which exam board and course are used?</b>	AQA Design & Technology 9-1 <a href="https://www.aqa.org.uk/subjects/design-and-technology/gcse/design-and-technology-8552">https://www.aqa.org.uk/subjects/design-and-technology/gcse/design-and-technology-8552</a>
<b>What curriculum topics are being covered this year?</b>	Throughout this year we will be looking at different types of resistant materials, including timbers, polymers, and metals. Each area will be taught alongside a practical element, a timber birdbox, a metal keyring and an acrylic phone holder to develop pupils' skills. We will also look at the properties of each material and how it can be used correctly to create design solutions as well as learning about the environmental impact of product manufacture.
<b>How many exams have students got and what is covered in each one?</b>	At the end of each unit of work pupils will sit a test to identify any gaps in knowledge so we can troubleshoot this, there will also be a mock exam at the end of Year 10 will be a key indicator of the progress our pupils have made. A PPE exam will also be sat alongside their other PPE exams at the end of the Autumn Term. The course also consists of an NEA project for which the brief will be set in the June by AQA, this will need to be done on school site and will make up 50% of their final grade.
<b>What should students be focusing on?</b>	Students should focus on the knowledge and information that is taught in lesson. They will be given many revision resources to help them retain the information. This could be in the form of a quick quiz using Seneca or as a knowledge organiser that they have created in lesson.
<b>What is the best way for parents to support students in this subject?</b>	Encourage your son/daughter to watch videos or use the websites below when they are completing homework, coursework, or revision. Attend the curriculum/parents' evenings during the year to gain a better understanding of your son/daughter's progress.
<b>What websites and resources would be helpful? What wider reading would be helpful? Where can I get resources?</b>	Buy a Design & Technology – RM Pack on Parent Pay Shop. This includes a revision guide, stationery, and pencil case that they can use during lessons, for their coursework and during their exam. The pack also includes all of the folders that they will need for their classwork, revision and coursework. <a href="http://www.technologystudent.com/">http://www.technologystudent.com/</a> - covers all the key knowledge needed for the exam and there is also guidance for the students when completing their coursework. <a href="https://www.bbc.com/bitesize/examspecs/zby2bdm">https://www.bbc.com/bitesize/examspecs/zby2bdm</a> - a fantastic resource that is tailored to the exam boards specification. Here you can revise the key information, watch videos to motivate students and there are quick tests at the end. <a href="https://www.senecalearning.com/">Free Homework &amp; Revision for A Level, GCSE, KS3 &amp; KS2 (senecalearning.com)</a> – Seneca is a free resource which links to students classes and parents can also access it to track your child's progress. You can sit mock exams from your phone!
<b>Have previous students got any tips or advice for this subject?</b>	The practical projects are enjoyable to make. There is a good mix between theory and practical. Make sure you revise for your topic test!