

KS4 Resistant Materials – Year 10

	Topics Covered	Assessment
YEAR 10 Autumn Term Weeks – 1-15 5 rd September – 21 st December 2016	<ul style="list-style-type: none"> • Practical Metal based project • Theory Safety, properties of metals, sustainability, metalworking tools and processes • Drawing 2D design and sketching skills • Designing Design ideas and SCAMPER • ICT 2D design, internet searches 	Mini Metalwork Project PT1 assessment (exam based)
Year 10 Spring Term Weeks 16-26 9 th January – 31 th March 2017	<ul style="list-style-type: none"> • Practical Plastic based project • Theory Safety, properties of plastics, sustainability, plastic working tools and processes • Drawing Orthographic projection • Designing Design for maintenance and 6Rs • ICT Google Sketch up 	Plastics Project PT2 assessment (exam based)
Year 10 Summer Term Weeks – 27-39 17 th April – 21 st July 2017	<ul style="list-style-type: none"> • Practical Wood based project • Theory Safety, properties of timbers, sustainability, woodworking tools and processes, how boards are manufactured • Drawing Framing • Designing Market pull v Technology push SMSC issues • ICT Laser cutter, Lathe, CAD-CAM 	Wood based project PT3 assessment (exam based)

Progress Tracking Assessment dates

PT1: 14th to 25th November 2016

PT2: 20th February to 8th March 2017

PT3: 19th to 30th June 2017