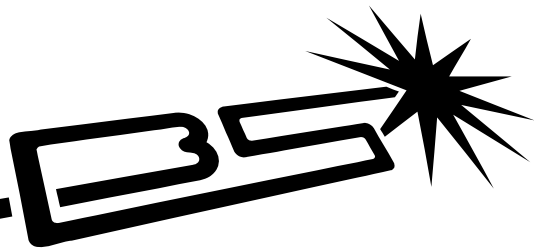


Scheme of Work for KS4

Lesson	Activities	Resources	Grading Criteria
1	Intro to group work and first batch production - coat hook. Roles set and planning sheets made for second production.	35 x (3x25x100mm) HIPs, marking out equipment, files, junior- hacksaws, line bender(s), pillar drill(s), 4mm drill, countersink bit, coat hook drawing, blank Gantt charts, sample Gantt charts.	
2	Second batch production – modified coat hook Introduction to Bright Sparks production exercise. Allocation of component production to groups.	35 x (3x25x100mm) HIPs, 35 x (1x10x100mm) aluminium, 35x4mm csk machine screws and nuts, marking out equipment, files, junior- hacksaws, line bender(s), pillar drill(s), 4mm drill, countersink bit, coat hook drawing.	
3	Sample part production and planning sheets - Two components each group. Gantt chart and batch of 5 of both made.	35 x (1x10x300mm) aluminium, thick single core copper wire, 100 x MES bulb holders, 70 x C battery holders, 35 x lolly sticks, 50m HR wire (18ohms/meter) multicore red and black equipment wire, soldering equipment, 4mm pan head machine screws, washers and nuts, self tapping screws, marking out equipment, files, junior- hacksaws, pillar drill(s), 4mm drill(s), wire cutters & strippers.	



Lesson	Activities	Resources	Grading Criteria
4,5,6	<p>PRODUCTION DAY</p> <p>Teacher takes photographs and writes observation records</p> <p>Complete batch of components</p> <p>Merge groups, assembly of boards.</p>	<p>35 x (1x10x300mm) aluminium, thick single core copper wire, 100 x MES bulb holders, 70 x C battery holders, 35 x lolly sticks, 50m HR wire (18ohms/meter) multicore red and black equipment wire, soldering equipment, 4mm pan head machine screws, washers and nuts, self tapping screws, marking out equipment, files, junior- hacksaws, pillar drill(s), 4mm drill(s), wire cutters & strippers, screw drivers (incl. cordless), pliers.</p>	
7	<p>Complete final assembly details, QC and testing</p> <p>Write up safety statements and risk assessments.</p>	<p>Assembly equipment, crocodile leads, safety statement sheets, risk assessment sheets, emergency procedure sheets.</p>	
8	<p>Complete outstanding tasks for Unit 1 evidence</p> <p>Complete forms for Bronze Crest Awards.</p>	<p>Crest Award forms</p> <p>Internet access or PUWER legislation hard copies.</p>	