



| Lessons | Lesson 13 | Lesson 14 | Lesson 15 | Lesson 16 | Lesson 17 | Lesson 18 |
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| TOPIC (S) | <p>Objective: To develop accuracy using a ruler and pencil. Coat Hook six line graphics.</p> | <p>Objective: Develop accuracy in using ruler and pencil. Pupils to develop accuracy using a ruler and pencil. Pupils to develop accuracy in using relevant tools and equipment. Pupils to develop practical skills in metal. Pupils to develop understanding of resistant materials</p> | <p>Objective: Pupils to develop accuracy using a ruler and pencil. Pupils to develop accuracy in using relevant tools and equipment. Pupils to develop practical skills in metal. Pupils to develop understanding of resistant materials</p> | <p>Objective: Pupils to develop accuracy using a ruler and pencil. Pupils to develop accuracy in using relevant tools and equipment. Pupils to develop practical skills in metal. Pupils to develop understanding of resistant materials</p> | <p>Objective: Pupils to develop accuracy using a ruler and pencil. Pupils to develop accuracy in using relevant tools and equipment. Pupils to develop practical skills in metal. Pupils to develop understanding of resistant materials</p> | <p>Objective: Pupils to develop accuracy using a ruler and pencil. Pupils to develop accuracy in using relevant tools and equipment. Pupils to develop practical skills in metal. Pupils to develop understanding of resistant materials</p> <p>ALL KEY STAGE PUPILS ROTATE AT THE END OF SPRING TERM 2.</p> |
| <p>CAD 1 Pupil to rotate through room 60 and 63 to develop CAD/CAM skills and knowledge.</p> | <p>All year 7 to rotate through room 60 and 63 to develop CAD/CAM skills and knowledge. All to work through the CAD/CAM PowerPoint and design and make a Bookmark using Polypropylene. KEY FOB EXTENSION TUTORIAL. Pupils to model their initial designs using card, develop and then manufacture using acrylic.</p> | | | | | |

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| Knowledge & Skills development | <ul style="list-style-type: none"> • Understanding contexts, users and purposes. • Select and use accurately appropriate tools and equipment. • Follow health and safety procedures. • Understand how to classify materials. • Understand the properties of woods. |
| Assessment / Feedback Opportunities | <p>Verbal feedback on 6 line graphics and CAD designs.</p> <p>Verbal feedback for all practical sessions.</p> <p>Cold calling to check for revision using Knowledge Organiser.</p> <p>‘Do Now’ opportunities through project</p> |
| Cultural Capital | <ul style="list-style-type: none"> • Understanding of woods and metals and their uses in a range of settings. |
| SMSC / Promoting British Values (Democracy, Liberty, Rule of Law, Tolerance & Respect) | <ul style="list-style-type: none"> • Tolerance and respect when sharing equipment. • Following Health and safety rules. |
| Reading opportunities | <ul style="list-style-type: none"> • Knowledge Organiser as homework. |
| Key Vocabulary | Ferrous, Non-ferrous, softwood, hardwood, file, hacksaw, pillar drill, tenon saw, file, countersink, coping saw, centre punch, drill bit, bench hook, wood vice, machine vice, ball pein hammer, engineer’s square, try square, scribe, centre punch. |
| Digital Literacy | Extension activity dependant on availability of computers to use 2D Design and Laser Cutter to engrave a logo onto the Spatula. |
| Careers | What if a joiner, Cabinet Maker, Engineer? |