

Practical Metalworking

TECHNOLOGIES

What skills will my child develop?

- A range of metalworking hand tool skills on tasks with some complex features
- The ability to use a range of metalworking tools, equipment and materials
- Reading and interpreting drawings and diagrams in familiar and unfamiliar contexts
- Skills in measuring and marking out metal sections and sheet materials
- Cutting and forming skills
- Creativity with familiar metalworking tasks with some complex features
- A problem-solving approach to metalworking tasks
- Knowledge and understanding of safe working practices in a workshop
- Knowledge of the properties and uses of a range of common metals and metalworking materials
- Knowledge and understanding of sustainability issues in a practical metalworking context



WHAT WILL MY CHILD EXPERIENCE DURING THE COURSE?

- Active and independent learning through self and peer evaluations, group feedback, reflecting on learning, making independent decisions
- A blend of classroom approaches including practical and experiential learning in real-life contexts; whole class learning; team working; investigative work
- Collaborative learning: working in pairs, small groups or larger groups; working with partners in other technologies subjects, maths, sciences
- Space for personalisation and choice: learners can choose how they develop their practical activity
- Applying learning
- Embedding literacy and numeracy skills: interpreting drawings/diagrams, measuring, marking out, analysing data, designing.

ASSESSMENT

- The course will be assessed through a question paper (exam) and an Assignment, which will be graded A to D.
- The question paper makes up 30% of the total assessment mark and involves a combination of restricted response questions (short answers) and extended response questions (longer, more detailed answers). The question paper will be externally marked by SQA.
- The practical activity makes up 70% of the total assessment mark. Learners produce a finished product, to a given standard and specification, and complete a log book of their activity. The practical activity is internally assessed by the teacher and quality assured by SQA.

National 5 can progress onto a variety of Technology, Science and Skills for Work courses, or training or work

For more detailed course information:

SQA: Practical Metalworking National 5: www.sqa.org.uk/sqa/47461.html

Education Scotland: www.education.gov.scot/nationalqualifications

Curriculum for Excellence Key Terms and Features Factfile:

www.education.gov.scot/parentzone/Documents/CfEFactfileOverview.pdf



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