

NATIONALS IN A NUTSHELL

The National Parent Forum of Scotland Summary of Practical Metalworking National 4

PRACTICAL
METALWORKING
TECHNOLOGIES

NATIONAL

4

3

UNITS

**BENCH SKILLS
MACHINE PROCESSES
FABRICATION AND THERMAL JOINING**

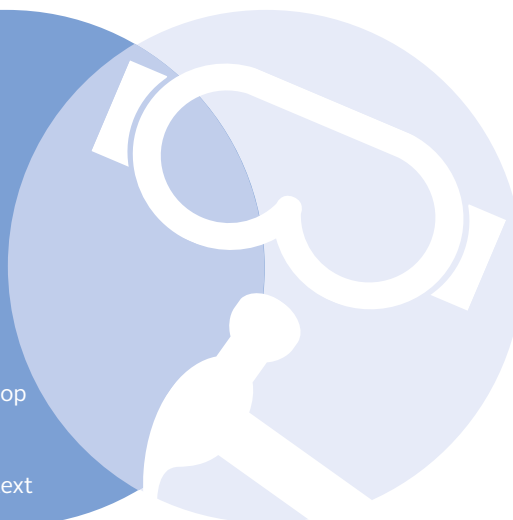
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ADDED
VALUE
UNIT

ADDED VALUE UNIT: PRACTICAL ACTIVITY

What skills will my child develop?

- a range of metalworking hand tool skills
- the ability to use a range of metalworking tools, equipment and materials, with guidance
- reading and interpreting simple drawings and diagrams in familiar contexts
- skills in measuring and marking out metal sections and sheet materials
- straightforward cutting and forming skills
- creativity with straightforward and familiar metalworking tasks
- a problem-solving approach to metalworking tasks, with support
- knowledge and understanding of safe working practices in a workshop
- knowledge of basic properties and uses of common metals and metalworking materials
- knowledge 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; visits
- 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

- To gain National 4, learners must pass all Units including the Added Value Unit
- Units are assessed as pass or fail by the school/centre (following SQA external quality assurance to meet national standards)
- Unit assessment (or 'evidence of learning') could be presented in a variety of ways such as completed tasks, records of the task development (blogs, diaries). A portfolio of work (including a learner checklist) may be prepared
- The Added Value Unit (Practical Activity) will require learners to make a finished product in metal, completing a record of progress.

National 4 progresses onto National 5



For more detailed course information:

SQA: Practical Metalworking National 4: www.sqa.org.uk/sqa/47454.html

Education Scotland: www.educationscotland.gov.uk/nationalqualifications/index.asp

Curriculum for Excellence Key Terms and Features Factfile:

www.educationscotland.gov.uk/Images/CfEFactfileOverview_tcm4-665983.pdf



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