

The Education & Trainino undation



External references

www.et-foundation.co.uk

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This guide is one of a series aimed at practitioners from a wide range of providers, includir colleges, independent learning providers and those working in the Secure Estate, who sup post-16 vocational learners to develop their maths skills up to and including level 2.

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Here are four good reasons:

Developing your learners' maths skills can help them progress in their vocational course

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Improving your learners' maths skills increases the employment opportunities open to them.

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Maths errors can be costly to any business

Enhancing your professionalism

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"Address the mathematics and English needs of learners and work creatively to overcome individual barriers to learning."

Why use a vocational lesson to develop maths skills?

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Maths which underpins one of these tasks: Cutting

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Isometric and Orthographic Projection











Other learning activities related to your vocational area













Examples of active learning activities that you could use or adapt with learners

<u>Tarsia</u>





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Sometimes true, always true, never true



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Other resources to help learners understand key mathematical ideas



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The following sections of this Guide describe and respond to some challenges you



What challenges am I likely to face?

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Engaging learners

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Some learners may need to improve their con dence with basic maths



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"I feel as though I am good at maths and would like to pass on any help that I can. The guys know who I am and come and see me on the wing."

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Di cult topics

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Working in the Secure Estate

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"At HMP Wake eld, teachers provide contextualised learning within prison industries on a one-to-one basis to help learners who are in the separation unit and/or those who struggle with functional skills or have additional learning needs. This type of support is proven to be less disruptive to the prison day and e ective at engaging those furthest away from learning and skills."





Meeting the challenges

Working together with maths practitioners

Teaching and learning strategies: developing deep understanding of key mathematical ideas

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Initial, diagnostic and formative assessment

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About this guide

Why should I be concerned about developing my learners' maths skills?

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Examples of active learning activities that you could use or adapt with learners

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Other resources to help learners understand key mathematical ideas

What challenges am I likely to face? Engaging learners

Some learners may need to improve their con dence with basic maths

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Di cult topics

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Meeting the challenges Working together with maths practitioners

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Teaching and learning strategies: embedding and contextualising

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