

## The Education & Trainino undation



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#### **External references**

#### www.et-foundation.co.uk

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## Abe hi g ide

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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  - Health and Social Care
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# Wh he ld I be cence ned abe de ele ing m lea ne 'ma h kill ?

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**

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#### 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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#### Top Trumps

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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."

Carlos and Carlos Andrews (\* 1997)



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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

### References

#### **External references**

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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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#### Sometimes true, always true, never true

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#### Top Trumps

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#### Other resources to help learners understand key mathematical ideas

#### What challenges am I likely to face? Engaging learners

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#### 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

#### Teaching and learning strategies: embedding and contextualising

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

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