MATHEMATICAL/QUANTITATIVE SKILLS

The 'M' in 'STEM' The 16-18 Year Old Landscape

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 International Comparisons Proportion of students in 'upper secondary' education/training studying any mathematics 			
	All (95-100 per cent)	Czech Republic, Estonia, Finland, Japan, Korea, Russia, Sweden, Taiwan	
	Most (81-94 per cent)	Canada (BC), France, Germany, Hungary, Ireland, USA (Mass.)	
	Many (51-80 per cent)	Australia (NSW), Netherlands, New Zealand, Singapore	
	Some (21-50 per cent)	Hong Kong, Scotland, Spain	
	Few (6-20 per cent)	England, Wales, Northern Ireland	
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Participation

- Employer/university pull
- Pathway availability
- Information/culture
- Gender/regional effects

Attainment • Prior attainment • Delivery quality









Longer term

- Near universal participation within 10 years
- Increased provision of appropriate pathways
- Increased capacity to deliver
- A culture that values mathematical and quantitative skills

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