

# Career resources

# Mathematics

## Activity collection – years 7–8

### Introduction

These resources are suitable for students in years 7–8.

They are aligned to the Australian Curriculum and relate to the Australian Curriculum learning area of Mathematics

This selection will provide you with tools to help build your own and your students' career development awareness.

The following resources are available via Scootle, the national digital learning repository. Scootle provides Australian teachers with access to more than 20,000 digital learning items, provided by a wide array of contributors and aligned to core areas of the Australian Curriculum.

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## Careers with Maths: STEM teacher notes

<b>Resource ID</b>	M021284					
<b>Link to resource</b>	<a href="https://www.scootle.edu.au/ec/search?q=M021284&amp;field=title&amp;field=text.all&amp;field=topic&amp;v=text">https://www.scootle.edu.au/ec/search?q=M021284&amp;field=title&amp;field=text.all&amp;field=topic&amp;v=text</a>					
<b>Resource description</b>	These <i>Careers with maths: STEM teacher notes</i> are published for teachers and careers counsellors, and also for parents and STEM-based institutions. Mentors could use the guides to familiarise students with STEM careers, and inspire students to consider them.					
<b>Relevance of resource to careers education</b>	This resource encourages students to examine business outcomes and adapt business ideas. It focuses on entrepreneurial skills and the nature of work.					
<b>Australian Curriculum Work Studies category/ies</b>	Career development and management	<input checked="" type="checkbox"/>	Entrepreneurial behaviours	<input type="checkbox"/>	Gaining and keeping work	<input type="checkbox"/>
	Learning to learn	<input checked="" type="checkbox"/>	The nature of work	<input checked="" type="checkbox"/>	Work skills	<input checked="" type="checkbox"/>

## A mathematical focus on 'Choose your own statistics'

<b>Resource ID</b>	M019375					
<b>Link to resource</b>	<a href="https://www.scootle.edu.au/ec/search?q=M019375&amp;field=title&amp;field=text.all&amp;field=topic&amp;v=text">https://www.scootle.edu.au/ec/search?q=M019375&amp;field=title&amp;field=text.all&amp;field=topic&amp;v=text</a>					
<b>Resource description</b>	This teaching resource demonstrates ways in which real data can be interpreted and analysed. It is based on the interactive learning resource Choose your own statistics, in which data is presented as infographics, graphical representations and tables. The focus of the supporting teaching and learning activities is on analysing different types of graphs and how percentage is used to convey information about populations. The resource can form the basis of work for a range of year levels, from 5 to 10.					
<b>Relevance of resource to careers education</b>	Understanding the current and future environment is important for career development and management, as it relates to opportunity awareness. Explore the implications of these statistics on the future world of work, career planning, opportunities and threats.					
<b>Australian Curriculum Work Studies category/ies</b>	Career development and management	<input checked="" type="checkbox"/>	Entrepreneurial behaviours	<input type="checkbox"/>	Gaining and keeping work	<input type="checkbox"/>
	Learning to learn	<input checked="" type="checkbox"/>	The nature of work	<input type="checkbox"/>	Work skills	<input checked="" type="checkbox"/>

## Careers with mathematics and economics

<b>Resource ID</b>	M021851					
<b>Link to resource</b>	<a href="https://www.scootle.edu.au/ec/search?q=M021851&amp;field=title&amp;field=text.all&amp;field=topic&amp;v=text">https://www.scootle.edu.au/ec/search?q=M021851&amp;field=title&amp;field=text.all&amp;field=topic&amp;v=text</a>					
<b>Resource description</b>	These three maths posters show students some of the ways maths is used everyday, and the careers they can pursue with maths. The poster themes, 'Making your own mark', 'Find a career path', and 'Why study maths?', are inspiring additions to any maths classroom, library or educational space, along with the <i>Careers with Maths and Careers with STEM: Economics 2018</i> , magazine.					
<b>Relevance of resource to careers education</b>	<ul style="list-style-type: none"> <li>The poster 'Making your own mark' features exciting careers, showing how mathematics is used.</li> <li>'Find a career path' inspires students to think about certain careers which may suit their passion.</li> <li>'Why study maths?' helps students find out the how, what and where of maths related careers.</li> </ul>					
<b>Australian Curriculum Work Studies category/ies</b>	Career development and management	<input checked="" type="checkbox"/>	Entrepreneurial behaviours	<input type="checkbox"/>	Gaining and keeping work	<input type="checkbox"/>
	Learning to learn	<input checked="" type="checkbox"/>	The nature of work	<input checked="" type="checkbox"/>	Work skills	<input checked="" type="checkbox"/>

## Fish market: explore trading

<b>Resource ID</b>	L2574					
<b>Link to resource</b>	<a href="https://www.scootle.edu.au/ec/search?q=L2574&amp;field=title&amp;field=text.all&amp;field=topic&amp;v=text">https://www.scootle.edu.au/ec/search?q=L2574&amp;field=title&amp;field=text.all&amp;field=topic&amp;v=text</a>					
<b>Resource description</b>	Buy and sell fish in trading markets in a range of Australian and New Zealand cities. Compare market prices, supply and demand. Explore a range of traders to find the best deals and open up new markets. Find a rare fish. Maximise your profit and reputation as a smart trader.					
<b>Relevance of resource to careers education</b>	In this resource, students learn about entrepreneurial skills and the nature of work and business.					
<b>Australian Curriculum Work Studies category/ies</b>	Career development and management	<input type="checkbox"/>	Entrepreneurial behaviours	<input checked="" type="checkbox"/>	Gaining and keeping work	<input type="checkbox"/>
	Learning to learn	<input type="checkbox"/>	The nature of work	<input checked="" type="checkbox"/>	Work skills	<input checked="" type="checkbox"/>