

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, as an Australian educator, with tools to help build your own and your students' career development awareness.

If you are an Australian teacher or preservice teacher you can access these resources via Scootle, the national digital learning resources portal that contains more than 20,000 digital teaching and learning resources.

Log in to Scootle

Using your school or teacher training institution email account, [log in to Scootle](#).

Not registered? Accessing resources on Scootle

These resources can only be accessed by teachers working in Australian schools (using their school email accounts), and by preservice teachers in Australian education institutions (using their institution email accounts). [Register now](#).

Not sure if you are eligible? View [Frequently asked questions](#).

Careers with maths and economics: STEM teacher notes

Resource ID	M021284					
Link to resource	http://resolver.thelearningfederation.edu.au/?rft_id=10257/5869717					
Resource description	These <i>Careers with maths and economics: 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.					
Relevance of resource to careers education	This resource encourages students to examine business outcomes and adapt business ideas. It focuses on entrepreneurial skills and the nature of work.					
Australian Curriculum Work Studies category/ies	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

Resource ID	M019375					
Link to resource	http://resolver.thelearningfederation.edu.au/?rft_id=10257/5868088					
Resource description	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.					
Relevance of resource to careers education	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.					
Australian Curriculum Work Studies category/ies	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

Resource ID	M021851					
Link to resource	http://resolver.thelearningfederation.edu.au/?rft_id=10257/5871058					
Resource description	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.					
Relevance of resource to careers education	<ul style="list-style-type: none"> • The poster 'Making your own mark' features exciting careers, showing how mathematics is used. • 'Find a career path' inspires students to think about certain careers which may suit their passion. • 'Why study maths?' helps students find out the how, what and where of maths related careers. 					
Australian Curriculum Work Studies category/ies	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

Resource ID	L2574					
Link to resource	http://resolver.thelearningfederation.edu.au/?rft_id=10257/7772					
Resource description	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.					
Relevance of resource to careers education	In this resource, students learn about entrepreneurial skills and the nature of work and business.					
Australian Curriculum Work Studies category/ies	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"/>

Muffin bakery: volume discounting

Resource ID	L3239					
Link to resource	http://resolver.thelearningfederation.edu.au/?rft_id=10257/4592					
Resource description	Run a shop which bakes muffins. Investigate the production costs. Look at how profit is calculated. Examine the effects of unsold stock on profit. Maximise profit by working out the best combination of production volume and price. Investigate the effects of buying ingredients in bulk on unit costs and profit. Look closely at sales figures and make adjustments.					
Relevance of resource to careers education	This resource focuses on entrepreneurial and work skills. The practical activity also gives students an insight into the nature of work.					
Australian Curriculum Work Studies category/ies	Career development and management	<input type="checkbox"/>	Entrepreneurial behaviours	<input checked="" 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"/>