

# Career resources

# Mathematics

## Activity collection – years 11–12

### Introduction

These resources are suitable for students in years 11–12.

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.scottle.edu.au/ec/search?q=M021284&amp;field=title&amp;field=text.all&amp;field=topic&amp;v=text">https://www.scottle.edu.au/ec/search?q=M021284&amp;field=title&amp;field=text.all&amp;field=topic&amp;v=text</a>   |                                     |                            |                                     |                          |                                     |
| <b>Resource description</b>                            | <p>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 towards them.</p> <p>Although this resource was prepared for an audience of those working with students in the pre-senior years, it will be useful as a stimulus for careers work with anyone in years 11 and 12.</p> |                                     |                            |                                     |                          |                                     |
| <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"/> |

## Tax, super and you

|  |   |                                     |                            |                                     |                          |                          |
|--|---|-------------------------------------|----------------------------|-------------------------------------|--------------------------|--------------------------|
| <b>Resource ID</b>                                     | M010782   |                                     |                            |                                     |                          |                          |
| <b>Link to resource</b>                                | <a href="https://www.scootle.edu.au/ec/search?q=M010782&amp;field=title&amp;field=text.all&amp;field=topic&amp;v=text">https://www.scootle.edu.au/ec/search?q=M010782&amp;field=title&amp;field=text.all&amp;field=topic&amp;v=text</a>   |                                     |                            |                                     |                          |                          |
| <b>Resource description</b>                            | The 'Tax, super and you' website is designed for use by students in years 10 to 12 and their teachers. It includes four modules. 'Tax 101' is a general introduction, 'Your tax' focuses on individuals, and 'Business tax' focuses on companies. The final module explores the concept of superannuation. Six interactive resources accompany the website. Housed in a Moodle environment, the website enables teachers to customise courses and to monitor student progress through an online database. |                                     |                            |                                     |                          |                          |
| <b>Relevance of resource to careers education</b>      | This website is designed to engage years 10–12 students with the key elements of the taxation and superannuation systems in Australia. It is underpinned by the aim that students understand the synergies between a healthy tax system, active citizenship and the provision of community assets. It will give students an understanding of their role as working citizens within this system, and of the system's impacts on their professional and personal lives.                                     |                                     |                            |                                     |                          |                          |
| <b>Australian Curriculum Work Studies category/ies</b> | Career development and management   | <input 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 type="checkbox"/> |

## MoneySmart: Teaching resources for VET

|  |   |                          |                            |                                     |                          |                          |
|--|---|--------------------------|----------------------------|-------------------------------------|--------------------------|--------------------------|
| <b>Resource ID</b>                                     | M020871   |                          |                            |                                     |                          |                          |
| <b>Link to resource</b>                                | <a href="https://www.scottle.edu.au/ec/search?q=M020871&amp;field=title&amp;field=text.all&amp;field=topic&amp;v=text">https://www.scottle.edu.au/ec/search?q=M020871&amp;field=title&amp;field=text.all&amp;field=topic&amp;v=text</a>   |                          |                            |                                     |                          |                          |
| <b>Resource description</b>                            | ASIC's Be MoneySmart is an online training resource for VET students and senior high school students. It helps students to develop money management skills which support their future careers in small business or as contractors. It consists of five online modules: Saving, budgeting and spending; Personal tax; Superannuation; Debt management; and Insurance. Each module supports 1 hour of online activity and 2 hours of offline study and includes a student workbook. Be MoneySmart has been designed to support the delivery of the unit of competency FNSFLT301 - Be MoneySmart, either as an imported unit in a variety of courses, or as part of the Certificate III in Financial Services (FNS30111). It can also be used as part of non-accredited training for general money management skills programs. |                          |                            |                                     |                          |                          |
| <b>Relevance of resource to careers education</b>      | This resource deals with the nature of work and money.  |                          |                            |                                     |                          |                          |
| <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 type="checkbox"/> |