

Some numeracy (and literacy) resources and materials

Building Strength in Numeracy

This free online resource revises and improves on the iconic numeracy resources 'Strength in Numbers' and 'Breaking the Maths Barrier', and other 'tried and true' numeracy teaching resources. It is a collection of activities that builds on and updates elements of the previous resources, as well as including many new ideas, activities and student practice exercises. The resource is accessible online for teachers to use in a range of settings. Available from: <http://www.valbec.org.au/building-strength-with-numeracy/index.htm>

Consumer Affairs Victoria, Consumer Stuff

Consumer Affairs Victoria has produced a number of FREE resources called *Consumer Stuff* that have an applied learning focus using real-life scenarios. There are free teacher resources in the areas of Maths, English and Commerce alongside Health and Wellbeing and Consuming Planet Earth. Go to: <http://www.consumer.vic.gov.au/resources-and-education> and follow the link to the Teacher Resources page where you can download the pdfs. Note: If you are a numeracy/maths teacher, don't just look at the Maths book (which was updated and significantly rewritten a few years ago), look at Commerce, Health and Wellbeing and Consuming Planet Earth as they have great, real life based activities.

VicRoads VCAL Road Safety Units (2006, updated 2011 and 2012)

These 11 units combine different aspects of road safety with literacy, numeracy and generic skills such as problem solving and working in teams. Each unit contains activity outlines with comprehensive guidance to teachers, worksheets and assessment record proformas. Published by VicRoads, the units are available to download free from <https://www.vicroads.vic.gov.au/safety-and-road-rules/road-safety-education/secondary-schools/vcal-road-safety-units>.

Having Fun with Maths: Activities and Games for Developing Maths Language and Skills

Published by Multifangled P/L [available from: [Multifangled](#), [MAV](#), [AAMT](#) and [ACER](#)]. The games and activities in this book focus on the development of fundamental maths skills through co-operative group work and the use of hands-on materials, as well as on enjoyment and having fun in order to build confidence and overcome maths anxiety.

Car Costs

A workbook around the topic of cars and road safety, this numeracy resource was partly funded by the RACV. Called Car Costs: a numeracy workbook, it is available from [Multifangled](#), [ACER](#) and [MAV](#).

Reference book: *Foundation Numeracy in Context*

Published by ACER Press, written by Dave Tout and Gary Motteram - it argues the case for teaching maths in context and outlines different options and strategies for teaching maths and numeracy in real life contexts.

Some other suitable numeracy/maths books

Aspire Learning Resources, LLN and Foundation skills resources. One series, *Work it Out!* covers 10 essential maths life skills. Each booklet addresses a different numeracy topic and is written in a clear and easy-to-understand style - <http://aspirelearningresources.com.au/training-packages/lln-employability-skills>

Forster, Ian, et al, *Hands-on Maths in Practice*, Pearson Education Australia, Melbourne, 1997

Thomson, Sue & Forster, Ian, 2006 *Access to Prevocational Maths*, Pearson Education Australia, Melbourne

Thomson, Sue & Forster, Ian, 2007 *Access to Prevocational Maths 2*, Pearson Education Australia, Melbourne

Vize, Anne, 2005, *Maths Skills for Living*, & *Maths Skills for Working*, Phoenix Education, Putney, NSW

Vize, Anne, 2013, *Real World Maths - Building skills for diverse learners*, Banksia Publishing, Frankston, Vic

Weber, Lauris, 2003, *The Language of Maths (Secondary Level)*, AEE Publishing, Queensland

CD ROMs and multimedia

Tout, Dave and Marr, Beth, *Measuring up: an interactive multimedia computer resource for numeracy learners*, Protea Textware, Melbourne, 1997 [available from: www.proteatextware.com.au]

Lowe, Ian, 2001, *Mathematics at Work*, (CD-ROM), AAMT, Adelaide [available from MAV]

Lowe, Ian, 2003, *People Count: Numeracy for Adults*, (CD-ROM), Ian Lowe, Melbourne [available from [MAV](http://www.mav.org.au)]

Video Education Australasia ([http://www.vea.com.au/](http://www.vea.com.au)) have a range of DVDs available, including: *ALGEBRA: A Piece of Cake!*, *Algebraic Notation - Maths as a Foreign Language*, *Into the Negative Zone!*, *Let's Get Straight: Linear Equations and Their Graphs*, *Life by the Numbers series*, and more.

Some suitable (adult) L&N teaching websites

SAFE-T1: This website has a range of information and activities (online and print based) about workplace health and safety. A number of the activities are designed to develop literacy skills. See www.safe-t1.net.au

BBC Skillswise: Literacy, numeracy, games, learner's stories and much more:
<http://www.bbc.co.uk/skillswise/>

Algebra and trigonometry resource – online: <http://www.mitac.org.au/trig/index.htm>

Look at the online Flexible Learning Toolboxes at: <http://toolboxes.flexiblelearning.net.au>

You can find many of the relevant toolboxes under the **Series 4** and **Series 5** Equity toolboxes. Some specific literacy and numeracy ones include:

- The Cybercentre: <http://toolboxes.flexiblelearning.net.au/series4/424.htm>
- Where's the party at?: <http://toolboxes.flexiblelearning.net.au/series5/519.htm>
- Your Online Learning Assistant (YOLA): <http://www.flexiblelearning.net.au/products/yola.htm>

Indigenous toolboxes – worth looking at (most have literacy activities and some include numeracy too). For example:

- Certificate II in Music Industry - Deadly Jam Music Festival: <http://toolboxes.flexiblelearning.net.au/demosites/series5/516/default.htm>
- Horticulture for Indigenous Learners: <http://toolboxes.flexiblelearning.net.au/series4/422.htm>
- Building Skills for Indigenous Learners: <http://toolboxes.flexiblelearning.net.au/series5/517.htm>

Workplace numeracy materials

IBSA has a site which has links to all the Industry Skills Councils' literacy and numeracy resources:

- <https://ibsa.org.au/industry-skills-councils-fsk-resources-and-information>

The WELL Practitioner's Network has a resources page:

- <http://wellpractitioners.com.au/resources/>

In particular look at these numeracy resources:

- <http://wellpractitioners.com.au/wpcproduct/numeracy-in-focus-building-vet-practitioner-awareness-of-numeracy-in-the-workplace/>
- <http://wellpractitioners.com.au/wpcproduct/numeracy-in-practice-building-workplace-numeracy-skills-of-vet-practitioners/>
- <http://mskills.com.au/online-products/product/putting-the-jigsaw-together>
- <http://oggiconsulting.com/projects/well-resource-project-numeracy-by-measure-2/>

NCVER Numeracy Research Reports:

Tina Berghella & John Molenaar (2013) *Seeking the N in LLN* [[Available here](#)]

Beth Marr & Jan Hagston, J. (2007). *Thinking beyond numbers: Learning numeracy for the future workplace.* [[Available here](#)]

Lynne Gleeson (2005) *Economic returns to education and training for adults with low numeracy skills* [[Available here](#)]

Gail FitzSimons, Susan Mlcek, Oksana Hull, Claire Wright (2005) *Learning numeracy on the job: A case study of chemical handling and spraying* [[Available here](#)]

Financial literacy & banking:

<http://www.understandingmoney.gov.au/>

<http://www.dollarsandsense.com.au/>

<http://www.financialliteracy.gov.au/>

EssiMoney: www.essimoney.com.au

ASIC: <https://www.moneysmart.gov.au/>

And don't forget VALA:

The Victorian Applied Learning Association (VALA) is the peak organisation for applied learning practitioners. They include a resources section available to VALA members. Visit: <http://www.vala.asn.au/index.htm>

And for AFL freaks:

Football rules! Facilitator's Guide and Handouts for Students. A resource targeted at low level ACSF learners based around Australian Rules football. Available for download from:

<http://www.industry.gov.au/skills/ForTrainingProviders/Documents/StudentFootballRules.pdf>

<http://www.industry.gov.au/skills/ForTrainingProviders/Documents/TeacherFootballRules.pdf>

And there are more literacy and numeracy resources included on LiteracyNet, including *Eat well, live well;* *The word on cars;* *Hands 1: Identity* and *Hands 2: Community.* The general link to start from is:

<http://www.industry.gov.au/skills/ForTrainingProviders/LiteracyNet/Pages/default.aspx> (but you may need to use the Search function to find these resources).