

Some numeracy references 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of activities that builds on and updates elements of the previous resources, as well as including many new, previously unpublished ideas, activities and student practice exercises.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 teacher, don't just look at the Maths book, look at Commerce, Health and Wellbeing and Consuming Planet Earth as they have great, real life based activities.

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

By Dave Tout, 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 was written by Dave Tout and is available from [Multifangled](#) and [MAV](#).

Reference book: *Teaching Maths 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. Go to this web address for further information and ordering details: <http://shop.acer.edu.au/acer-shop/locate?group=MATHSWORKS>

Some other suitable numeracy/maths books

Aspire Learning Resources, *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](#)]

Video Education Australasia (<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! Working with Integers*, *Let's Get Straight: Linear Equations and Their Graphs*, *Life by the Numbers series*, *Making Sense of Percentages*, *That's a Bit Steep*

Some suitable (adult) numeracy teaching websites

Algebra 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>
- <http://toolboxes.flexiblelearning.net.au/series4/422.htm>

Financial literacy & banking:

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

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

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

EssiMoney: www.essimoney.com.au

<http://www.onlinebanking.org.au/>

BBC Skillswise: Literacy, numeracy, games, learner's stories and much more:

<http://www.bbc.co.uk/skillswise/>

And don't forget VALA:

The Victorian Applied Learning Association (VALA) is the peak organisation for applied learning practitioners. Established in 2005 in response to the rapid growth in Victoria of applied learning in post-compulsory education, it now supports over 1000 applied learning educators from across education sectors. 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.innovation.gov.au/skills/LiteracyAndNumeracy/Documents/TeacherFootballRules.pdf>

<http://www.innovation.gov.au/skills/LiteracyAndNumeracy/Documents/StudentFootballRules.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.innovation.gov.au/Skills/LiteracyAndNumeracy/LiteracyNet/GeneralResources/Pages/default.aspx> (but you may need to use the Search function to find these resources).