Great Websites for Mathematics

+ a few other subjects

Mathematics Resources from Australia

  - developed by Australian Government
  - videos for teachers on a range of substrands

› [topdrawer.aamt.edu.au/](http://topdrawer.aamt.edu.au/)
  - developed by Australian Association of Mathematics Teachers (AAMT)
  - info about big ideas, misconceptions etc in maths

› [aamt.edu.au/Webshop/Primary](http://aamt.edu.au/Webshop/Primary)
  - developed by AAMT
  - lots of resources for purchase, including *Developing Efficient Numeracy Strategies* books for S1 and S2

  - national resource, developed by ESA
  - search by AC ‘number plate’, eg ACMNA132

› [mathslinks.net/browse/nswk-10-for-ac](http://mathslinks.net/browse/nswk-10-for-ac)
  - administered by NSW maths teacher
  - resources arranged by NSW outcomes/substrands
  - eg NA strand: [http://mathslinks.net/browse/category/nsw-ac-number-and-algebra](http://mathslinks.net/browse/category/nsw-ac-number-and-algebra)

› [https://www.youtube.com/channel/UCLYakh9E1q_OWKJRc4Z2Rw](https://www.youtube.com/channel/UCLYakh9E1q_OWKJRc4Z2Rw)
  - YouTube channel: Census Australia
  - uses data from 2011
  - try animated videos, eg Dataman’s guide to the census: [https://www.youtube.com/watch?v=zr3tlZOZNyw](https://www.youtube.com/watch?v=zr3tlZOZNyw)

  - developed by NSW DET
  - ‘Children’ tab contains most activities

  - developed by NSW DET
  - support for programming fractions

› [http://mathsclub.net.au/](http://mathsclub.net.au/)
  - developed by Australians, Paul Swan and David Hewitt
  - teacher zone has articles and lesson plans,

› [www.smartvic.com/smart/index.htm](http://www.smartvic.com/smart/index.htm)
  - developed by University of Melbourne
  - short, sharp tests to assess where a student is at
  - sign-up for free

› [http://www.maths300.esa.edu.au/](http://www.maths300.esa.edu.au/)
  - hosted by ESA
  - joining fee + annual subscription
  - see complete lesson list at [http://www.maths300.esa.edu.au/index.php/component/content/article/1049-lesson-list-a.html](http://www.maths300.esa.edu.au/index.php/component/content/article/1049-lesson-list-a.html)

Other resources from Australia
› splash.abc.net.au/home
  - developed by ABC and ESA
  - video content, games linked to AC
  - searchable by ‘topic’
  - online ‘live events’ regularly

› readingaustralia.com.au/
  - developed by Copyright Agency
  - 200+ Australian book titles with teacher resources

Mathematics Resources from UK

› http://nrich.maths.org/frontpage
  - lots of rich problems and investigations

› http://www.bbc.co.uk/bitesize/
  - Key Stage 1 = Ages 5–7, Years 1–2
  - Key Stage 2 = Ages 7–11, Years 3–6
  - games and activities

› http://www.bbc.co.uk/schools/teachers/ks1_lessonplans/maths/
› http://www.bbc.co.uk/schools/teachers/ks2_lessonplans/maths/

Mathematics Resources from USA

› http://illuminations.nctm.org/Default.aspx
  - units & lesson plans
    eg Do it with dominoes! http://illuminations.nctm.org/Unit.aspx?id=6141
  - interactives

› http://calculationnation.nctm.org/
  - games for students
  - login required

› nlvm.usu.edu/
  - lesson plans and online interactives
    eg ES1 patterns: http://nlvm.usu.edu/en/nav/frames_asid_184_g_1_t_1.html?from=category_g_1_t_1.html

› www.learner.org/interactives/
  - lesson plans and online interactives
  - includes ‘teaching math’ PD courses focussed on WM at
    http://www.learner.org/courses/teachingmath/index.html

› www.shodor.org/interactivate/
  - online interactives
  - lesson plans at http://www.shodor.org/interactivate/lessons/byAudience/

› www.mathopenref.com/
  - geometry applets for IWB
  - go ‘full screen’, move orange dots, show/hide details
  - categories of interest: Angles, Quadrilaterals, Triangles
    eg classifying angles: http://www.mathopenref.com/angle.html
    eg angles on a straight line: http://www.mathopenref.com/linearpair.html
    eg vertically opposite angles: http://www.mathopenref.com/anglesvertical.html

› http://www.teacherled.com/
  - online interactives
    eg Isometric dots
      http://www.teacherled.com/iresources/shapesapp/isometricdots/isometricdots.html
    eg line symmetry
Mathematics Resources from Canada

- [http://www.learnalberta.ca/Home.aspx](http://www.learnalberta.ca/Home.aspx)
- lesson plans
- online interactives
- videos
- games

Mathematics Resources from New Zealand

- [http://www.nzmaths.co.nz/](http://www.nzmaths.co.nz/)
- online interactives
  - [http://www.nzmaths.co.nz/digital-learning-objects](http://www.nzmaths.co.nz/digital-learning-objects)
- teaching activities in pdf booklets
- interactive pd modules, including one on problem solving
  - [http://www.nzmaths.co.nz/interactive-pd-modules](http://www.nzmaths.co.nz/interactive-pd-modules)
- problem solving activities, by level
  - [http://nzmaths.co.nz/problem-solving](http://nzmaths.co.nz/problem-solving)

Mathematics Resources from the Netherlands

  - applets
    - eg Broken calculator for practising order of operations
      - [http://www.fi.uu.nl/toepassingen/00014/toepassing_wisweb.en.html](http://www.fi.uu.nl/toepassingen/00014/toepassing_wisweb.en.html)
    - eg cut-outs and nets