



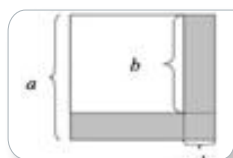
## Mathematics Stage 5

To access these and other CLI resources, visit: [www.tale.edu.au](http://www.tale.edu.au) > secondary

### Laptop wraps for Mathematics Stage 5

This collection of new laptop friendly resources from the Centre for Learning Innovation is designed to support the Digital Education Revolution NSW implementation. The mix of online and offline tasks allow students to work mathematically in a variety of rich learning activities that build on their capacity to use the full range of information and communication technologies available. Search on TaLe for Laptop wrap Stage 5 Mathematics.

New Laptop wraps from the Centre for Learning Innovation (CLI) provide online and offline tasks to support student investigation, collaboration and creation of content.



#### Expanding on algebra

Make a presentation revising the index laws. Investigate a visual representation and then design an acronym to help recall the special binomial products.

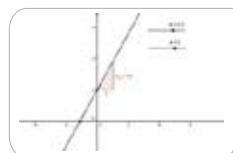
TaLe search by title or number [8879](#)



#### A slippery slope!

Design an Excel spreadsheet to assess ski-lift slopes. Make a SMART Notebook presentation on the feasibility of a new ski-lift.

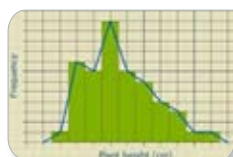
TaLe search by title or number [8880](#)



#### Parallelindicular

Construct a series of GeoGebra applets to investigate the parameters of straight line equations and reinforce this knowledge using Microsoft Math 3.0.

TaLe search by title or number [8881](#)



#### Surveying statistics

Visit the ABS and summarise the statistical process. Design a sample survey. Place large data sets with Excel charts in a brochure for the local community.

TaLe search by title or number [8882](#)



#### Puzzling probability

Design a crossword and construct a simulation spreadsheet in Excel, then investigate the drama, intrigue and accuracy of the Monte-Carlo fallacy.

TaLe search: by title or number [8885](#)



### Taxing times

A page with a focus on the use of spreadsheets to calculate various income and taxation problems. A debate on the merits of income sources is included.

*TaLe search: by title or number [8883](#)*



### Geometry gems

Use GeoGebra to enhance understanding of various geometric properties and the importance of reasoning in proof.

*TaLe search: by title or number [8884](#)*



### Talking trigonometry

Consolidate understanding of trigonometry by investigating some practical applications of the ratios, highlighting the process used to find a solution.

*TaLe search: by title or number [8888](#)*

## Sites2See for Mathematics Stage 5

*Sites2See* draw on the expertise at the Centre for Learning Innovation (CLI) to give additional support in using selected resources or websites. The one-page guides provide links to quality online resources, with syllabus links and advice as to how the resources might be used. Search on TaLe by Sites2See Stage 5 and Mathematics.



### Spreadsheets for Mathematics

Example resources, exemplars and advice to help integrate spreadsheet use in teaching and learning for mathematics. Includes suggestions for use, tutorials and information on research and benefits, plus links to a range of related resources.

*TaLe search by title or number: [7916](#)*



### Money skills

A page featuring key websites for understanding money issues, including the Commonwealth Bank's DollarsandSense website, which contains financial management information and a range of interactive tools.

*TaLe search by title or number: [6940](#)*



### Copyright for students

A page with links and information on copyright and Creative Commons with a range of guides to help find Creative Commons images, video and music online.

*TaLe search by title or number: [8587](#)*

## Tools4U

*Tools4U* are software support tools, with tips for teachers, getting started tutorials and classroom tasks for a range of Microsoft, Adobe and other software being rolled out across DET NSW in 2009 as part of the national Digital Education Revolution initiative.



Need help using the new DET software suite? The Tools4U resources will provide you with tips, tricks and tutorials to get you started.



An Australian Government Initiative

### Tools4U–Adobe Acrobat Pro

*TaLe search by title or number:* [9222](#)

### Tools4U–Adobe Captivate

*TaLe search by title or number:* [9223](#)

### Tools4U– Adobe Dreamweaver

*TaLe search by title or number:* [10378](#)

### Tools4U– Adobe Fireworks

*TaLe search by title or number:* [10377](#)

### Tools4U–Adobe Photoshop Elements

*TaLe search by title or number:* [9228](#)

### Tools4U– Adobe Premier Elements

*TaLe search by title or number:* [9227](#)

### Tools4U–Microsoft Word 2007

*TaLe search by title or number:* [10089](#)

### Tools4U–Windows 7

*TaLe search by title or number:* [10304](#)

### Tools4U–Microsoft OneNote

*TaLe search by title or number:* [9225](#)

### Tools4U–GeoGebra

*TaLe search by title or number:* [9221](#)

### Tools4U–Audacity

*TaLe search by title or number:* [9226](#)

### Tools4U–Adobe Presenter

*TaLe search by title or number:* [9224](#)

## UCreate

*UCreate* guides help teachers and students to creatively use and integrate a range of software for collaboration, networking and sharing of curriculum based content for learning.



### UCreate an audio podcast

*TaLe search by title or number:* [10395](#)

### UCreate a web page

*TaLe search by title or number:* [10331](#)

### UCreate diagrams

*TaLe search by title or number:* [10329](#)

### UCreate a digital portfolio

*TaLe search by title or number:* [10328](#)

### UCreate a video podcast

*TaLe search by title or number:* [10327](#)

## The Teaching and Learning exchange (TaLe)

Search on TaLe for access to 727 Mathematics Stage 5 resources including 260 resources from The Le@rning Federation and 25 laptop friendly Mathematics Stage 5 resources from CLI including 8 Intel Skool resources. You can also save your searches to develop resource lists to share with students.



TaLe has changed the design of its pages, search and the information to better support the Digital Education Revolution NSW (DER-NSW), with:

- a collation of online support for new tools and software under the Tools+ banner
- search improvements to help users find 'laptop friendly' resources
- interface redesign to accommodate the screen size of netbooks.

### Tools+

Tools+ on TaLe provides access to tools and resources that support software applications provided under programs such as Connected Classrooms Program, Technology 4 Learning and DER-NSW. Use Tools+ to find approved and up-to-date information and resources to help with interactive classrooms, software tools and social media.

### Search improvements and design changes

TaLe search results pages now enable teachers with netbooks to view more search records, and changes have been made to the TaLe header and other design elements to improve usability on netbooks. To make things even easier for teachers, a visual shortcut to the DER-NSW support pages has been added to the right hand column of the Secondary teachers home page.

### TaLe DER-NSW

TaLe, Secondary now has a link to a dedicated DER-NSW site. Here you will find a 'one-stop shop' where you can browse through all of the DER-NSW resources available through TaLe – [www.tale.edu.au/tale/live/DER](http://www.tale.edu.au/tale/live/DER).

## CLAS for schools

CLAS for schools is a self-evaluation tool that helps teachers appraise their skills and knowledge in using ICT for teaching and learning.



CLAS gives teachers links to practical advice, tips, set-up guides, software and online tools, and includes links to advice on curriculum benefits, plus a range of collaborative resources and learning programs using video conferencing and webcasts.

For more details, visit: [www.cli.nsw.edu.au/cli/e-learning/clas.shtm](http://www.cli.nsw.edu.au/cli/e-learning/clas.shtm)

### Enquiries and Sales

#### CLI Customer Service

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**fax:** 61 2 9715 8174

**email:** [cli.marketing@det.nsw.edu.au](mailto:cli.marketing@det.nsw.edu.au)

**visit:** [www.cli.nsw.edu.au](http://www.cli.nsw.edu.au) > and go to Catalogues