

AUSTRALIAN  
CURRICULUM

ISSUE 4

PRIMARY

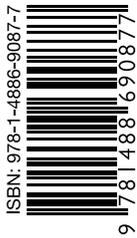
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AUSTRALIAN SCHOOLS EDUCATION MAGAZINE



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# Personal Learning Networks

An interview with Jenny Luca

Jenny Luca is director of ICT and eLearning at Toorak College in Mt. Eliza, and thought leader in the education industry. She has several years of research and experience in this field, and is a driving force in attitudes around technology and education. Jenny introduced the Powerful Learning Method to Australian schools, and has been instrumental in making Personal Learning Networks (PLNs) known among the Australian education community. In this excerpt from **In Conversation**, Jenny discusses the definition and importance of PLNs, and touches on some of the exciting possibilities, as well as potential drawbacks.

## HOW WOULD YOU DEFINE A PERSONAL LEARNING NETWORK (PLN)?

A Personal Learning Network is something that you form as a result of your need to know. For teachers it can be difficult to keep abreast of current information and stay at the cutting edge of new techniques, concepts and developments in education.

Those in your network provide a web filter for the content and push it in your direction, and ideally you reciprocate by sharing content that your network would be interested in. This process allows teachers to build links with other educators via the internet, discover your peers and find people who can become indirect mentors to you.

## WHY DO YOU BELIEVE PLNS ARE IMPORTANT? WHAT ROLE DO THEY PLAY IN EDUCATION?

PLNs are ultimately about community and enabling teachers to connect with one another. Speaking from experience, teaching can be an isolating profession - you can be doing great things in your classroom and no one would know about it except for you. Social networking and online spaces allow us to find, learn and support one another, and in that way it becomes a true network of peers, friends and a community.

You find yourself in spaces of like-minded educators, but you can also morph your network to find specific teachers. For younger educators, if they can find mentors who show them that they can take calculated risks and explore new pedagogy, they can become empowered to gain the confidence to start doing things differently to improve the student's learning.

It also helps in keeping a balanced perspective of ideas. Having a broad network is important, including areas like business and journalism, as it makes you question your ideas and forces you to really consider them.

## Leading online voices in Australian education. Know who to follow.

### HAVE YOU SEEN HOW PERSONAL LEARNING NETWORKS CAN CHANGE THE THOUGHT PATTERNS, TEACHING PRACTICES OR THE OUTLOOK OF EDUCATORS? DO YOU HAVE EXAMPLES?

I have spent a lot of time reading about project based learning, studying it, and looking at ways I can apply it in my own classroom. Using project based learning methods was a big game changer for me, it was probably the best teaching I've done, as well as the best learning I've ever experienced.

I've had fantastic feedback from students involved in project based learning, but it's not easy as it puts the onus on them to take responsibility for their learning. When they learn via this method, students have a sense of pride in what they've accomplished.

I've observed that that's what they respond to best, because they want permission and the responsibility to take charge of their own learning. Through this process, they may eventually encounter and experience failure which is positive feedback. Analysing failure is something we don't do enough of in school.

When these same students who didn't do well finished a project, they were then able to articulate and identify where they've gone wrong. These same children also went on to perform better in subsequent activities because they were working through the process and ultimately learning how to fail successfully.

A lot of this comes down to the culture of the classroom; how a teacher structures it and how students feel when sitting inside that room.

### WHAT ARE THE DISADVANTAGES OF THE FEEDBACK LOOP CREATED BY PERSONAL LEARNING NETWORKS WHERE PARTICIPANTS ARE BOTH RECEIVERS AND CREATORS OF INFORMATION?

The disadvantage is the danger of the echo chamber effect, in the way that you're always listening to people who are thinking in the same ways as you. When you discover something like an online PLN, it is so powerful in terms of your growth as an educator you can become so immersed in that space that you risk losing sight of everything else and that can be quite dangerous.

You've got to have balance in your life.



The full version of parts one and two of this interview can be found on the Pearson website's In Conversation section  
[www.pearson.com.au/in-conversation](http://www.pearson.com.au/in-conversation).



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Working with the community to support the future of education.



# How to build a better learner

“ANY MAN COULD, IF HE WERE SO INCLINED, BE THE SCULPTOR OF HIS OWN BRAIN.”

SANTIAGO RAMÓN Y CAJAL,  
ADVICE FOR A YOUNG INVESTIGATOR

In the middle ages, the anatomy of the brain centred around three cells, each one assigned and responsible for a different mental activity. Imagination was thought to be held in the anterior ventricle, memory in the posterior and reason in between.

While our medieval counterparts may have had a beautiful image of the brain; they were, of course, far off from the true form of the human brain. We know now that there are a minimum of 100 trillion neural connections in the human brain, which is at least 100 times the number of stars in our galaxy.

We recently picked the brain of Judy Willis, a highly acclaimed American neuroeducation consultant, on some practical methods to develop better learners. Drawing on her wealth of experience as a neurologist and in the field as a high school teacher, Judy occupies a fascinating intersection of neuroscience and classroom education.

## HARNESSING THE RAW POWER OF THE MIND

Is it possible to build a better learner? How can we leverage the information unearthed by neuroscience research to guide how we mould students in school? What insights from neuroeducation can teachers utilise to become more effective in their role in the classroom?

Dr. Willis explains that teaching students the mechanics of their brain and showing them how they learn not only engages the students in the material being taught in the classroom, but can also inspire them to learn in ways they may not have realised were possible.

She posits that there is a 'huge misconception that intelligence is determined at or before birth by genes, and that effort will not significantly change an individual's potential for academic success.'

The realisation that learners can 'literally change their brains through study and review strategies' is immensely empowering to students. An important takeaway from this then, is to understand the practically limitless potential of the brain.

While there is power in the positive, it's also equally important to recognise that there is power in the negative as well – students' engagement plummets when they think that they are 'not smart.' This is a valuable piece of information for parents and educators, as both negative and positive reinforcement on this point can be extremely powerful.





## APPLYING NEUROEDUCATION PRINCIPLES IN THE CLASSROOM

Dr Willis offers advice on ways to adopt the applications of neuroplasticity in day-to-day life, including classrooms and the home environment. Firstly, neuroscience research shows that avoiding forced instruction and stress can disrupt the learner's mood. This disruption can have a flow-on effect which can directly impede and edit the sensory information that is passed on to neural networks, affecting where that input eventually ends up.

Teachers can apply specific techniques derived from neuroscience research to enhance a student's capacity to learn. Integrating personal meaning into a lesson, by incorporating the student's personal interests to help them better connect with study material. Patterning is another technique, as the brain can link new information to a category of existing knowledge as the result of strengthening neural pathways and networks.

Learning can be aided not only by the obvious transfer of information, but also by using reinforcement, which is interesting in itself when viewed through the lens of neuroscience.

Willis explains that students can develop long term memory networks that activate prior knowledge and reinforce new topics. For example, one can 'preheat' relevant memory circuits using visual cues related to a new topic. This allows a student's brains to evaluate and apply existing knowledge to predict new sensory input.

The popular technique of rote memorisation can be used, but Dr Willis notes that this should be reserved for things like multiplication tables. Students need to understand the underlying principles before they can progress to memorising a single answer, as they will not likely be able to understand the whole picture and application of the knowledge.

While it may seem at first glance that these techniques and guides to learning are familiar and somewhat obvious, the true depth of them is revealed when correctly seen within the context of neuroscience and the way that the brain literally grows.

Informing students of the theories of how their brains function has been shown to increase motivation for studying, practising and participating - because it becomes a goal within reach, that is achievable for anyone.

With this knowledge we have the power to change both the culture of institutions and teaching practises of educators; but most importantly - it can help develop better and more effective learners.



### **A** ABOUT: DR. JUDY WILLIS

*Board-certified neurologist*

**Dr. Judy Willis**, a board-certified neurologist in Santa Barbara, California, has combined her 15 years as a practicing adult and child neurologist with her subsequent teacher education training and experience. After ten years teaching elementary and middle school, and writing six books for educators, Dr. Willis left the classroom and dedicated herself full-time to teaching educators. Dr. Willis travels nationally and internationally giving presentations, workshops, and consulting while continuing to write books and staff blogs for NBC News Education Nation, Edutopia, and Psychology Today.

# Navigating the best browsers

Plus tips on accessing “hidden” databases

Author: [Catriona Kennedy](#)

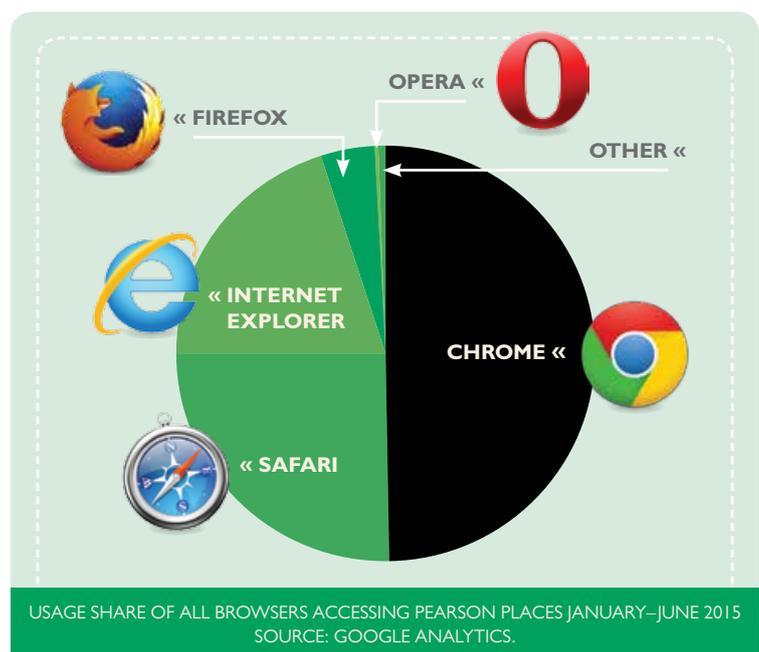
The computing world is advancing so quickly that no matter whether you are a novice or a whiz kid, there is almost always something new you can learn to make the online experience better for you and your students.

In this article, Learning Technology Manager [Catriona Kennedy](#) discusses some of the features of the most popular browsers, and shares her tips on accessing education databases around the world.

## WHICH BROWSER IS BEST? A SIDE-BY-SIDE COMPARISON

When working with schools I am repeatedly asked about browsers and which ones are the most popular. Chrome, Internet Explorer and, if you're an Apple school, Safari are the most widely used, with Chrome being the least problematic for Pearson resources. I have done some research and found the top six browsers in use are Google Chrome, Mozilla Firefox, Internet Explorer, Opera, Safari and Torch. Internet Explorer commonly comes pre-loaded on Windows PCs and Safari is the standard Mac browser; however, all can be downloaded from their respective websites.

However, Windows users watch out for Microsoft Edge - you may have heard that Microsoft is retiring Internet Explorer for a new browser called 'Edge'. In the new Windows 10 it will be the default browser; but don't fret, Internet Explorer will still be available for the time being.





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“INVISIBLE PAGES CAN BE FOUND AND THEY CAN BE ... A RICH AND ACCURATE SOURCE OF INFORMATION.”

### HERE ARE FEW OF THE KEY FEATURES FOR THESE POPULAR BROWSERS

**Google Chrome:** Single click bookmarking, multiple tabs, constant updates providing good security with an excellent range of apps and add-ons to enhance extensions and tools, impressive speed.

- *Compatible with Windows, Mac OS X and Linux.*

**Mozilla Firefox:** Intuitive to use and lends itself to customisation, single click bookmarking, multiple tabs, secure with regular updates, built-in PDF viewer.

- *Compatible with Windows, Mac OS X and Linux, currently only a mobile version of its browser is available for Android devices.*

**Internet Explorer:** Soon to be superseded by Microsoft Edge, they are constantly improving the security to combat phishing and malware. Offers the new feature of pinning, where you can pin a website to the Windows 8 taskbar.

- *Compatible with (32 and 64-bit) Windows.*

**Opera:** Chrome based server, fast loading speeds due to compression of pages, great for that slower connection, very secure but no parental control feature, one click bookmarking and tab stacking, some site compatibility issues.

- *Compatible with Windows, Mac OS X and Linux.*

**Safari:** Fast speeds with great security, easy to use, providing a reading list and top site (preview favourite websites).

- *Compatible with Windows, Mac OS X and Linux but not Android.*

**Torch:** Chrome based server, commercial freeware where tools are built in so no add-ons. Focus is no music and torrents. Specialised icons allow you to post to Facebook or Twitter without visiting the sites, sync music and share to your mobile device.

- *Compatible with Windows, Mac OS X and Linux.*

### SEARCHING FOR THE INVISIBLE

When you are searching the internet you are looking at web pages that are harvested and cached, so you are actually looking at old information. You only access current information when you access a link. The information in these databases' search engines have been harvested by robot programs called spiders (also known as crawlers and knowledge-bots) These robot programs visit websites, read pages and other information to create entries for the search engine index.

Indexing works by identifying text, links and other content in the page, the pages are stored in the search engine database files so they can be then be identified when searching key words. Many web pages are excluded from the database due to policy and protection has been put in place to prevent spiders accessing them. Library databases and article databases exclude spiders and are referred to as being in the Invisible Web or Deep Web, not to be confused with the Dark Web. <sup>1</sup>

Invisible pages can be found and they can be important to locate, because article databases contain academic research articles which are a rich and accurate source of information. Not all databases can be accessed, many are private, but you can use your preferred search engine to locate searchable databases and search by subject term and word database or top level domain, for example gov or edu. Look to educational sources (edu) and refine it even more by specifying the location of the database such au, uk or us. Find a list of country codes at [goes.gsfc.nasa.gov/text/web\\_country\\_codes.html](http://goes.gsfc.nasa.gov/text/web_country_codes.html).

Here are some examples and databases to get you going:

[www.iplz.org](http://www.iplz.org) | [library.vcr.edu/view/infomine](http://library.vcr.edu/view/infomine) | [edu.au/\(specify a topic\)](http://edu.au/(specify a topic))  
[library.edu.au/\(specify a topic\)](http://library.edu.au/(specify a topic)) | [library.edu.uk/\(specify a topic\)](http://library.edu.uk/(specify a topic))



**A** ABOUT THE AUTHOR:  
**CATRIONA KENNEDY**

*Learning Technology Manager*

**Catriona Kennedy** has worked for Pearson Australia for 14 years, most recently as a Learning Technology Manager in New South Wales. In her role she works with schools every day to help them achieve their digital strategy and assess their readiness to teach with different kinds of digital assets. Through her work she has helped numerous schools identify the best resource to support their digital strategy, and to recommend school training needs for them to improve.



#### References

[1] [http://en.wikipedia.org/wiki/Darknet\\_\(overlay\\_network\)](http://en.wikipedia.org/wiki/Darknet_(overlay_network))



# Four top picks for a summer getaway

Start your summer holiday planning now

It's that time of year, when the reports are filed (thank goodness!), your students have exited the gates for the final time and you are exhausted from a year of inspiring young minds, or at least, encouraging them not to singe each other's hair with Bunsen burners. With a glorious chunk of time to enjoy, why not plan an epic overseas adventure? Here are **G Adventures'** top picks.

## **ARGENTINA:**

**Why it's perfect for term four:** Argentina is not a typical family holiday destination, meaning prices won't be geared towards school holidays. Also, with so much hiking to be done, summer months are best to dirty up and get the most out of your shiny new hiking boots.

**Why you'll love it:** Dance, drink and eat your way around the most sophisticated city in South America – Buenos Aires. Sip your way around the Mendoza Wine region as you drive through fields of vines with the snowy Andes as a dramatic backdrop. Experience the stunning beauty of Iguassu Falls, set in the tropical jungles near the three-way border between Brazil, Argentina and Paraguay, wider than Victoria Falls and taller than Niagara. There is so much to discover in Argentina, need we say more?

## **KENYA AND TANZANIA:**

**Why it's perfect for term four:** A real highlight if you are heading to Africa is the great wildebeest migration, when the huge herds of wildebeest arrive on the short-grass planes of the Serengeti. From November to February the wildebeest and zebra are everywhere, feeding on the fresh grasses, making summer holidays the perfect time to go and witness this amazing natural phenomenon.

**Why you'll love it:** There aren't many opportunities in life to see the 'Big Five' in their natural habitat. Seeing the African elephant, rhino, leopard, lion and buffalo up close and personal is a humbling and amazing experience. Add to that the chance to see a giraffe, cheetah or hippo and you've got yourself a real safari adventure. Travelling across the Serengeti through Tanzania and Kenya and camping in the heart of the action will have your camera working overtime.





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“THERE AREN'T MANY OPPORTUNITIES IN LIFE TO SEE THE 'BIG FIVE' IN THEIR NATURAL HABITAT.”

**CUBA:**

**Why it's perfect for term four:** With low rainfall, and temperatures in the mid-20s, summer holidays are the perfect time to visit Cuba. And while the country has been a magnet for sun-seeking tourists for some time, now is the best time to explore it in a slightly less-traditional way. Book an adventure exploring the beautiful and captivating land or, while the seas are calm, why not see Cuba from a different perspective – on board a catamaran, sailing through beautiful turquoise waters.

**Why you'll love it:** There are few opportunities these days to 'step back in time' and visit a country where 1950s cars are the norm, and people are not too busy to stop and talk to each other on their front porch. The birthplace of mojitos and salsa, these guys know how to party – plus when you're battling a hangover the next day, Cuba is also the homeland of mountain coffee plantations, so you'll be back snorkelling the crystal clear waters in no time. Tough life.



G Adventures are the specialists on destinations for adventure travel. For more information and to take advantage of a \$150 discount on G Adventures trips exclusively for teachers visit [www.gadventures.com.au/specials/teachers/](http://www.gadventures.com.au/specials/teachers/) or call 1300 796 618



# SCIENCE, HISTORY & GEOGRAPHY

## Discovering Science, History and Geography



Cover the Primary Australian Curriculum with ease

AGE LEVEL **4–12 year olds**

The Discovering series includes **Discovering Science**, **Discovering History** and the newly published **Discovering Geography**. This suite of resources is specifically developed to support primary teachers with the teaching of the Australian Curriculum.

Resources are available for lower (F–2), middle (3–4) and upper primary (5–6) levels to assist with the planning, implementation and ongoing teaching of science, history and geography and to engage students in their learning.

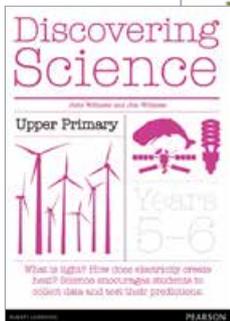
Comprehensive Teacher Resource Books have been written by subject matter expert educators and support teachers with clear teaching pedagogy, insights specific to the subject area, learning sequences matched to the curriculum standards and integrated photocopiable worksheets or practicals. Each teacher resource comes with print and digital picture cards to prompt classroom and small group discussions and trigger students' motivation and curiosity. Each series also comes with complimentary teacher resources online.

Full-colour Student Topic Books complement the teacher resources with a range of texts and topics which align to Australian Curriculum content descriptions. They provoke curiosity in learners and make the subject area accessible to them.



Find out more about **Discovering Science**, **Discovering History** and **Discovering Geography** online, where you can get more information about the features and benefits of each series, watch introductory webinars and download and browse the brochures.

REVIEW ONLINE | [www.pearson.com.au/primary/discovering](http://www.pearson.com.au/primary/discovering)



## DISCOVERING SCIENCE



- Teacher Resource Books for Lower (F–2), Middle (3–4) and Upper Primary (5–6) levels
- 28 Student Topic Books including fiction, non-fiction and comic books
- Online Teacher Resources

Following the award-winning format of **Discovering History**, **Discovering Science** was commended by the Australian Educational Publishing Awards in 2014.

**Discovering Science** ensures full coverage of the curriculum with the three strands: Science and Understanding, Science Inquiry Skills and Science as a Human Endeavour. Each Student Topic Book provides a story and content for a substrand: Biology, Chemistry, Physics and Earth and Space.

## SERIES COMPONENTS



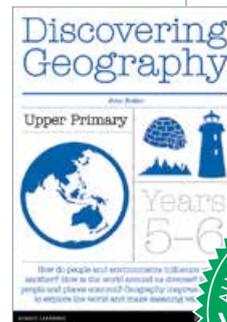
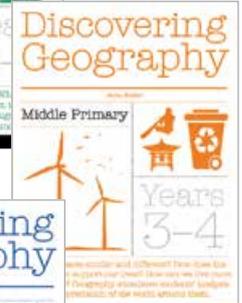
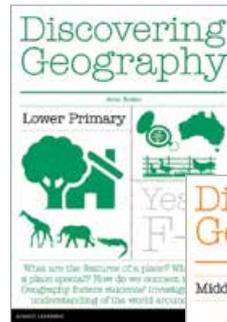
## DISCOVERING HISTORY



- Teacher Resource Books for Lower (F–2), Middle (3–4) and Upper Primary (5–6) levels
- 46 Student Topic Books including fiction and non-fiction books
- Online Teacher Resources

Find out why this won the Australian Educational Publishing Award for best Primary Student Resource (Arts/Science/Humanities) and get to the core of what Australian Curriculum: History teaching is all about.

Developed and written by leading experts in the field, Jennifer Lawless and Kate Cameron, **Discovering History** provides you with clear teaching scaffolded notes and pedagogy that will inspire you to develop creative lessons to engage your students.



## DISCOVERING GEOGRAPHY



- Teacher Resource Books for Lower (F–2), Middle (3–4) and Upper Primary (5–6) levels
- 28 Student Topic Books including fiction, non-fiction and comic books
- Online Teacher Resources

**Discovering Geography** is the latest addition to the Discovering family, but has already won the Australian Geography Teachers Association (AGTA) Best Primary Resource Award 2015.

The Teacher Resource Books are written by John Butler, who was awarded the Medal of the Order of Australia (OAM) for his contribution to education, particularly in the field of Geography.



## LITERACY Bug Club



# Bug Club

An award winning, blended literacy program for reading level 1–30

### AGE LEVEL 4–12 year olds

For resources to support the teaching of reading, look no further than **Bug Club** and see how F–6 literacy learning has evolved.

**Bug Club's** finely levelled guided fiction and non-fiction readers, comics and graphic novels, which cover reading levels 1–30, provide the flexibility needed to cater for different reading abilities within the classroom and ensure they support young readers as they move through the reading developmental stages. Phonic readers are also available at Emergent and Early stages for the explicit teaching of phonics.

**Bug Club** provides students with creative and authentic literacy texts that specifically address their interests and experiences. The readers have been developed to provide students with a range of genres, text types, characters and topics to ensure that at each colour level there are books that appeal to every student.

**Bug Club** brings well-loved and popular characters, such as Wallace and Gromit™, Angelina Ballerina™ and Doctor Who™ into the classroom, enabling students to follow the adventures of their favourite characters as they develop their reading skills, which ensures their motivation remains high. **Bug Club** has also created character clusters or new characters with distinct and diverse personalities, as well as Australian-specific content which students will enjoy reading.

Each book is available in print and on **Bug Club Digital**, an online reading world designed to engage and motivate students. Students read books, complete quizzes and earn points to play games, a

huge motivator to keep reading. Teachers are also able to view and record data about student reading performance to inform teaching and learning.

There are currently over 380 books and supporting teaching resources, with more titles coming in 2016.

### 65 PLAYS TO BE RELEASED IN 2016!

**Bug Club** is still evolving! 65 more titles are scheduled to be published in 2016 on **Bug Club Digital** and in print. We are working with some fantastic authors including Julia Donaldson, author of **The Gruffalo**, to provide you some great new additions to **Bug Club**. Stay tuned - more information to come in Term 1, 2016!

**Bug Club Digital** has some fantastic new features, including:

- compatibility with iPads and Android tablets in addition to PC, Mac computers and Interactive Whiteboards
- addition of 41 Phonic Readers
- easy book allocation and reporting for teachers
- new customisable worlds and rewards for students, great for establishing school/home links

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Visit [www.pearson.com.au/primary/bugclub/trial](http://www.pearson.com.au/primary/bugclub/trial)



Find out more about **Bug Club** online, where you'll find information about the features and benefits of the print components and digital platform. You can also browse the titles by reading level, view sample pages, request a free trial of the digital platform, order inspection copies and download the brochure for ISBNs and pricing details.

REVIEW ONLINE



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GET A FREE TRIAL



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## FICTION READERS

Each of the 180 **fiction readers** are finely levelled, highly engaging, full colour and contain either familiar characters from children's books, TV and films or new characters specifically developed for **Bug Club**. The highly entertaining narratives cover a range of text types and genres to make each reader fun and unique. Short stories and novels are included for higher reading levels.

## TEACHER RESOURCES

**Bug Club** offers comprehensive teacher resources, within **Bug Club** readers, in the Teacher Resource Books and online.

Teaching notes can be found on the inside front and back cover of each **Bug Club** reader. Guided Reading notes are available, providing detailed support for lessons around Australian Curriculum: English, such as comprehension, speaking and listening, grammar, writing and visual literacy. Curriculum charts and scope and sequence charts are also provided. Each reader is also supported by photocopiable blackline masters (BLMs), designed to offer written assessment opportunities as well as fun activities for students support. Extension activities to challenge high achievers and fast finishers are also included.

## PHONIC READERS

**Phonic readers** are a set of 41 deliberately constructed, phonically decodable texts, beginning with single letter phonemes through to consonant digraphs and trigraphs.

The 26 **phonic fiction readers** provide further opportunities for practising and consolidating the phonics skills introduced in the **phonic readers**.

## SERIES COMPONENTS

## BUG CLUB DIGITAL

Allocate readers to students, test their comprehension with over 2,000 embedded interactive quizzes, track literacy achievements with reporting tools and more!

Also accessible from home, parents can support their child's interactive reading experience. With online rewards for reading achievements, you'll find students are motivated at home and in class.

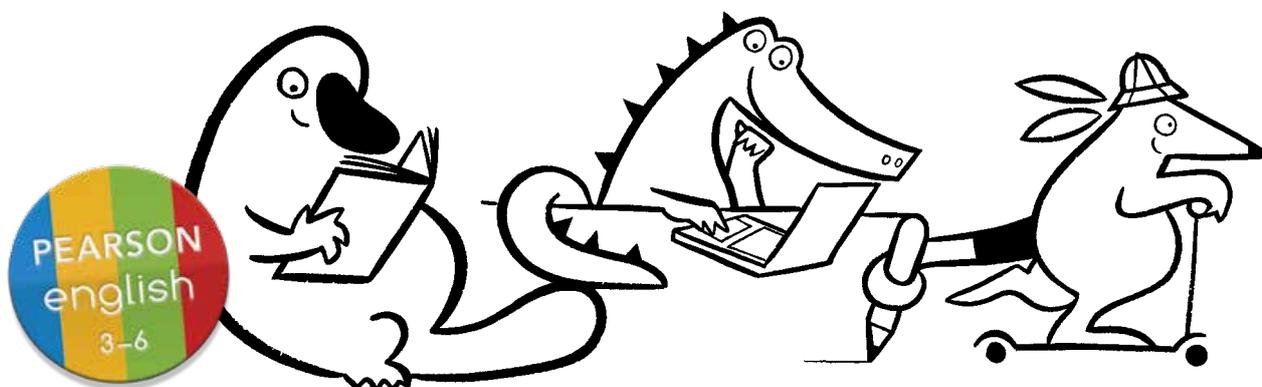


## COMICS & GRAPHIC NOVELS

Develop your students' visual literacy skills further with this range of 13 captivating **comics** and **graphic novels**. Titles are a mix of cartoon strips, jokes, puzzles and engaging non-fiction facts, and are ideal for visual learners.

## NON-FICTION READERS

**Bug Club** contains 146 finely levelled, full colour readers filled with authentic, informative text written around age-appropriate, high-interest topics. They provide a broad range of cross-curricular links, such as Science, History, Geography and more. Text types include reports, explanations, persuasive, procedures and more.



Give each student every opportunity to learn

**AGE LEVEL 8–12 year olds**

**Pearson English 3–6** is an award-winning, flexible series of resources, designed to successfully support the implementation of Australian Curriculum: English within the context of topics from other curriculum areas for Years 3–6. Using extensive research, including feedback from over 200 Australian educators, **Pearson English 3–6** has been designed to address the needs of you and your students.

This series is all about choice. You can customise a teaching and learning solution that suits you best. Choose the mode of delivery (digital, print and blended options available), choose the content (each year level has eight topics from a variety of other curriculum areas to select from) and choose the learning pathway for your students (**Pearson English 3–6** caters for all students with differentiated support for above, at and below level, and EAL/D students).

Each text in **Pearson English 3–6** is supported with a range of rich and engaging learning activities, with a strong focus on 21st century learning skills. Each topic also has a range of assessment options, to inform teaching and recognise achievement. Formal assessment options include running records with comprehension questions and rubrics for independent tasks. The digital platform also provides embedded quizzes with immediate student feedback within the topic books.



The Educational Publishing Awards Australia (EPAA) recognise excellence in print and digital educational publishing. In 2014, **Pearson English 3–6** won the Best Primary Student Resource for English category.

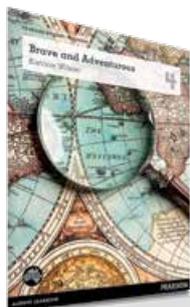


Find out more about **Pearson English 3–6** online, where you'll find information about the features and benefits of the print components and digital platform. You can also watch the introductory webinar, request a free trial of **Pearson English Digital**, order inspection copies and browse the brochure for ISBNs and pricing details.

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## STUDENT MAGAZINES

- One **Student Magazine** per topic (eight per year level)
- Above, below and at-level Student eMagazines on the digital platform to help cater for different literacy levels within a class
- 'Lets Find Out' topic questions & 'Did You Know' fact boxes engage student interest
- Four clearly structured text types, covering a range of genres
- One text in each magazine is a relevant authentic text such as a song, website or extract from a popular children's novel.
- Authentic text from the Student Magazine is supported by an audio recording on **Pearson English Digital**
- Breakaway tasks for each text, based on Bloom's Revised Taxonomy, encourage students to think creatively and critically, and promote higher order thinking
- Includes 'Strands in Action' section with 'Core Tasks' and 'Extra Tasks' where students can apply their thinking to real life scenarios and creative situations
- English Toolbox provides a helpful tip relevant to the text type and topic



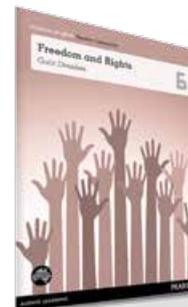
## TOPIC BOOKS

- One Fiction and one Non-fiction **Topic Book** related to each topic theme (eight per year level)
- Embedded quizzes in eBook versions
- Broadly aligned to the **Fountas & Pinnell** Text Level Gradient™
- Can be used for independent and guided reading, literature circle tasks or take-home reading
- Guided reading teaching notes are found in the **Teacher Companion**

## SERIES COMPONENTS

### PEARSON ENGLISH DIGITAL

- eBook versions of the **Magazines**, **Topic Books** and **Teacher Companions**
- Allocation of student digital resources
- Compatible with PC, Mac, Interactive Whiteboards and iPads
- A relevant video per topic
- Scope and sequence documentation (Australian Curriculum and NSW Board of Studies)
- Running record assessment and student evaluations for each topic
- Audio media files
- Recommended reading and weblinks for further study
- Extensive range of graphic organisers
- Over 120 learning activities on grammar, spelling, punctuation and writing



## TEACHER COMPANIONS

- One **Teacher Companion** per topic (eight topics per year level)
- Provides a detailed teaching sequence with a strong focus on comprehension
- Includes engaging activities that cater for different learning preferences and address critical and creative thinking
- Provides background information on how to use **Pearson English 3–6**
- Introduces topic by highlighting the learning focus and key questions
- Scope and Sequence charts for the Australian Curriculum
- Provides EAL/D support strategies and activities
- Highlights assessment options for the topic and provides rubrics to assess student learning
- Embedded links to interactive resources and activities on the digital platform
- Links to a topic related video



# enVisionMATHS™

A whole new teaching equation specifically created for the Australian Curriculum

**AGE LEVEL 4–12 year olds**

Give your primary students a deeper conceptual understanding and higher proficiency in Maths with this topic-driven teaching and learning program aligned with the Australian Curriculum: Mathematics.

**enVisionMATHS** combines powerful visual learning strategies that make meaningful connections between known and new maths ideas for your students, with breakthrough digital teaching and learning tools that cater to each teacher's technological expertise.

Differentiated teaching and learning strategies allow you to tailor your methods to improve students' learning. Program components can be adapted to all Primary Maths classrooms around Australia and can be taught in any order. **enVisionMATHS** was written by nationally and internationally recognised academics and leading classroom teachers from across the country.

**KEY FEATURES & BENEFITS**

- Provides students with deeper conceptual understanding and higher proficiency in Maths
- Instructional design incorporates the proficiency strands
- Direct curriculum links align to Australian Curriculum: Mathematics
- Differentiated teaching and learning strategies allow tailoring for students' specific learning styles
- Sizeable portion of digital teaching and learning
- Powerful visual learning strategies help students to grasp new concepts

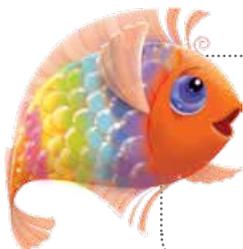


**WINNER AT THE 2012 APA AUSTRALIAN EDUCATIONAL PUBLISHING AWARDS**

**enVisionMATHS** won the Primary School Student Resource - Mathematics (Numeracy) category at the 2012 APA Australian Educational Publishing Awards.

**enVisionMATHS Digital coming 2016**

- Enhanced diagnostic assessment and data analysis tool
- Year 6 extension material
- Existing **enVisionMATHS** digital activities now suitable for all devices, including iPads
- New digital activities, tools and games suitable for all devices
- Convenient, digital delivery of all teacher resources



**enVisionMATHS NEW SOUTH WALES**

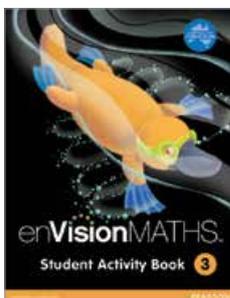
To help support teachers in New South Wales, an **enVisionMATHS Teacher Resource Box** specifically for New South Wales is now available, which includes a revised overview and implementation guide and teacher resource DVD.



Find out more about **enVisionMATHS** online, where you can watch the introductory webinar, download the program sampler, view the components brochure and find out more about the NSW teacher support.

REVIEW ONLINE | ▶

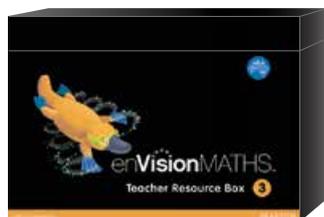
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### STUDENT ACTIVITY BOOK



Students can build on their conceptual understanding, fluency building, reasoning, mental computation and open-ended problem solving in the **Student Activity Book**.

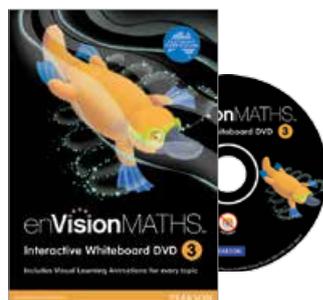


### TEACHER RESOURCE BOX



Each of the seven **Teacher Resource Boxes** (Foundation to Year 7) includes twelve to thirteen topic booklets, an overview and implementation guide and a teacher resource DVD with editable planning documents, approximately 750 worksheets, assessment items and visual learning bridges.

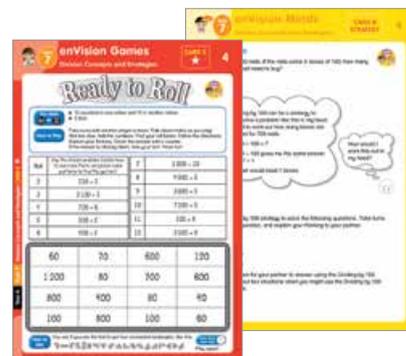
## SERIES COMPONENTS



### INTERACTIVE WHITEBOARD DVD



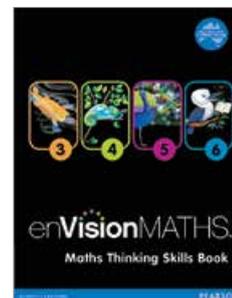
Captivating visual learning animations, topic opener videos and visual learning bridges are all stored on the **Interactive Whiteboard DVD** making introducing new maths concepts easy and fun for you and your students. Tools4Maths is also hosted on this DVD, and provides eleven digital interactive whiteboard tools which support new maths concepts in an engaging, visually appealing and clear way.



### ACTIVITY ZONE BOX



Laminated topic-based cards are found in the **Activity Zone**, all colour-coded and provided in multiple copies for group work. Cards are categorised into investigations, digital activities, games and (for Years 3–6) mental computation.



### MATHS THINKING SKILLS BOOK



**Maths Thinking Skills Books** are available for F–2 and 3–6. Students use these books to record their maths thinking, reflections and goals, creating a valuable portfolio to visualise progress throughout the year. Activities in this book link directly to the activity cards from the **Activity Zone**.

# Australian Signpost Maths



Australia's trusted, leading primary Mathematics series, reworked for the Australian Curriculum

AGE LEVEL **5–12 year olds**

Enjoy a seamless, straight-forward transition to the Australian Curriculum: Mathematics with **Australian Signpost Maths**.

Written by Alan McSevery and his experienced author team, **Australian Signpost Maths** addresses all aspects of the Australian Curriculum: Mathematics, including the content and proficiency strands. While retaining the features Signpost customers appreciate, such as full curriculum coverage, flexible structure and quirky, engaging cartoons, this series has been updated and redesigned to reflect current best practice in the teaching and learning of maths concepts.

**Australian Signpost Maths** offers a simple, clear system for linking Australian Curriculum: Mathematics content across all components.

- Activities have been rewritten to match the content strands of the Australian Curriculum: Mathematics
- Australian Curriculum: Mathematics content strands are identified by colour panels on each Student Activity Book page
- Australian Curriculum: Mathematics references are at the bottom of each page and at the top of each Teacher's Resource Book page
- Proficiency strands are embedded throughout to develop conceptual understanding, reason logically and solve problems. The Proficiency strands are explained at the start of each Student Activity Book

To help support teachers in New South Wales, **Australian Signpost Maths New South Wales** has been developed specifically for the NSW Syllabus for the Australian Curriculum: Mathematics. All Signpost components (Student Activity Books, Teacher Books, Mentals Books and Interactive Whiteboard DVDs) have been tailored to the NSW Syllabus for the Australian Curriculum: Mathematics.

Find out more at

[www.pearson.com.au/primary/asmnsw](http://www.pearson.com.au/primary/asmnsw)

## NEW DIGITAL RESOURCES FOR TEACHERS

To save you time photocopying resources, we have provided you PDFs of all the Progress Tests, Remediation Records, ID Cards (for Years 1-6), Blackline Masters (BLMs) and Blackline Worksheets (BLWs) found in the **Australian Signpost Maths** and **Australian Signpost Maths New South Wales** Teacher's Books. These can be found on our new site for teachers on **Pearson Places**.

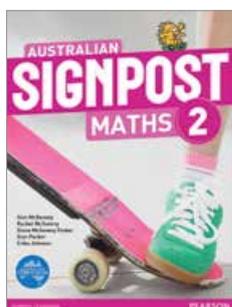


Find out more about **Australian Signpost Maths** and **Australian Signpost Maths New South Wales** online, where you can watch the introductory webinar, view sample pages and download the brochure.

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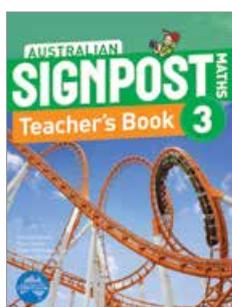
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**STUDENT  
ACTIVITY BOOKS**



The **Activity Books** provide a complete year's work, with full coverage of Australian Curriculum: Mathematics and Australian Curriculum references on every lesson page. Proficiency strands are embedded throughout to develop conceptual understanding, reason logically and solve problems.



**TEACHER'S BOOKS**



Get full support with teaching suggestions, extension work, maths language, resources and evaluation ideas to allow for differentiation to meet individual learning needs of students. The **Teacher's Books** include ID cards, Blackline Masters, Worksheets and answers to the **Student Activity Book** problems to save you time in correcting.

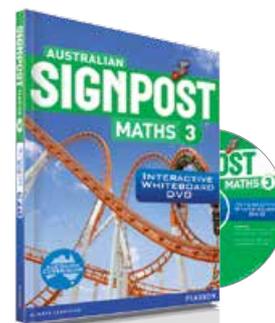
SERIES  
COMPONENTS



**MENTALS BOOKS**



Cater for various mental computation levels with differentiated questions on each page. Regular revision opportunities will consolidate conceptual understandings and the real life situations used as examples effectively connect maths reasoning to students' own lives.



**INTERACTIVE  
WHITEBOARD DVDS**



These LiveText™ versions of the **Student Activity Books** for interactive whiteboards include linked worksheets, interactive mathematical games and editable planning/programming documents linked to the Australian Curriculum: Mathematics..



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Useful tools for teachers and school leaders



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