

Pearson Secondary Teaching Hub Maths

Simplified teaching, energised learning for the new NSW Syllabus Mathematics for Stage 4 and Stage 5

Lesson 100% Completed

2.1 The atomic world

Question View

Student	Score	1	2	3	4	5
Charlie Pickering	67%	●	●	●	●	●
Archie Jones	22%	●	●	●	●	●
Mary Jane	33%	●	●	●	●	●
Melanie Granger	56%	●	●	●	●	●
Peter Figer	22%	●	●	●	●	●
Dorah Peters						
Harry Murphy						
Jenny Wilson						

Explore the properties of quadrilaterals using congruent triangles

Introduction

SC 1: I can establish properties of quadrilaterals using congruent triangles

SC 2: I can prove congruence in pairs of triangles to determine unknown side lengths or angles in symmetrical quadrilaterals

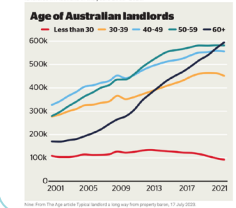
SC 3: I can draw diagrams identifying the main properties of quadrilaterals including side lengths, parallel sides, angles, diagonals and symmetry

Lesson review

Practices

Complete the following exercise questions in your notebook.

1 The following graph appeared in the print media and shows the trend in the age of landlords in Australia in the years 2001–2021.



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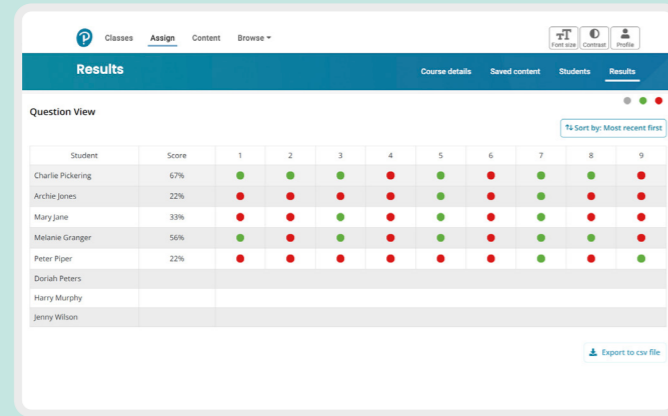


How do we simplify teaching?

Using Australian teacher feedback we've built a simple-to-use hub of lesson content for the whole NSW Syllabus Maths for Stage 4 and Stage 5

Simplified lesson planning and reporting

Lesson planning is as simple as browse, save and teach in just a few clicks. Then automatic reporting shows you class results or student level auto-corrected responses to give you real-time feedback before, during or after lessons.



Lesson planning in a few clicks, save and assign to your class then access results simply to see how the class, or an individual, performs.

Easy setup and integration

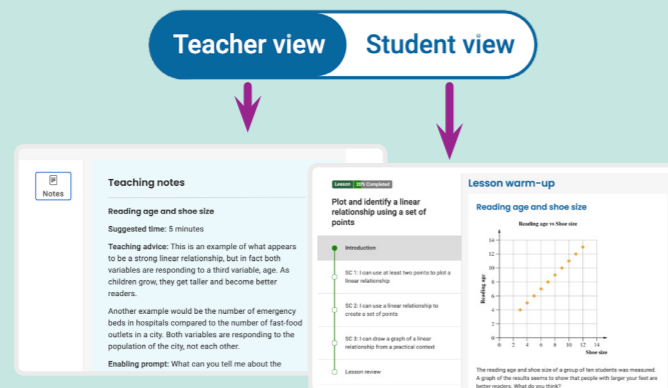
Integrate with your LMS or access directly through Pearson Places to assign simply to your class. We have prioritised ease of access to help with your lesson plan setup, and student assigning functionality.



Using LTI technology we integrate with MS Teams, Google Classroom, Schoolbox, and more.

A huge bank of teacher support

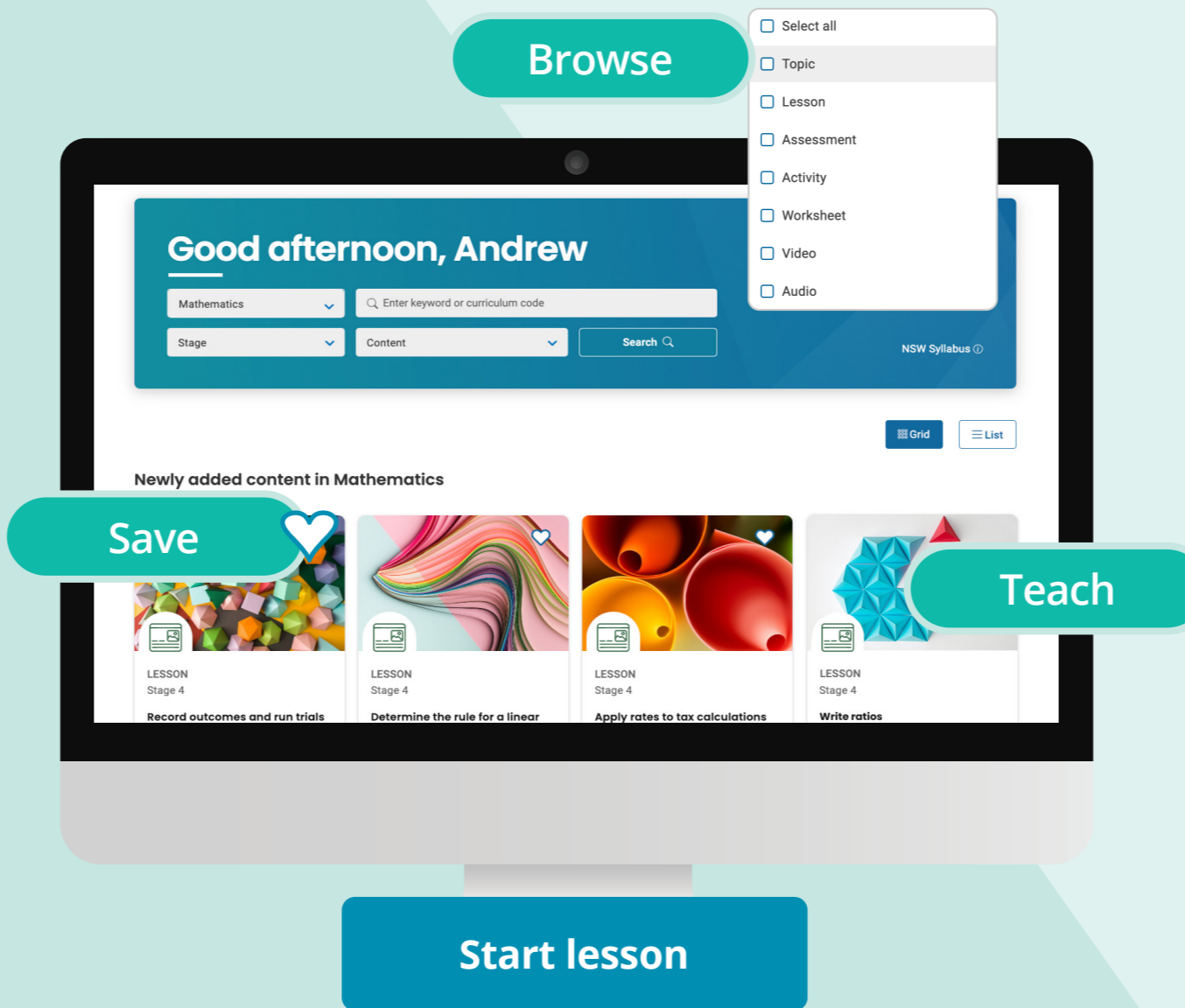
Access teacher resources in context of each lesson including hints, worked solutions, and downloadable teacher support including teaching programs, topic tests and student companion answers.



Toggle between student view and teacher view in a lesson to see teaching notes in context. In this lesson starter we provide advice and prompts to get the students going with the activity.

What is the Pearson Teaching Hub?

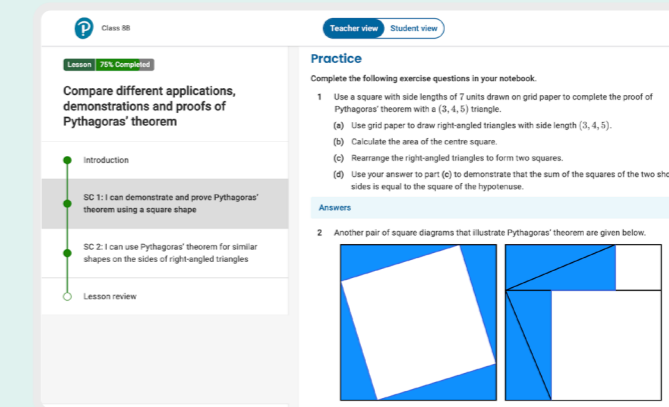
The **Pearson Teaching Hub** is a one-of-a-kind digital product designed to simplify teaching and energise learning, with **high quality content** created by **experienced Australian educators** that know how to engage students with the perfect mix of **online and offline learning** with associated Student Companions.



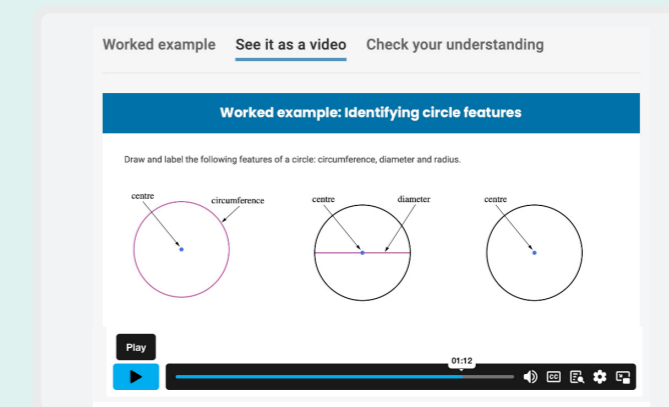
Watch our introduction video at pearson.com.au/teaching-hub

How do we energise learning?

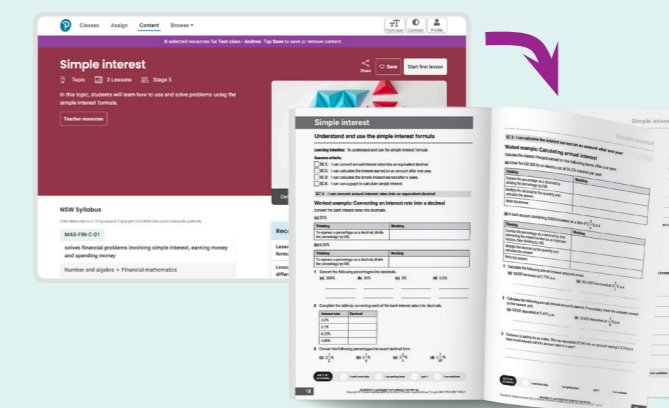
We energise learning with engaging content including videos, worksheets, auto-correcting questions, worked examples and more with the perfect mix of online offline resources.



Over 400 lessons mapped to 10-15 topics per year level across Stages 4 and 5, structured to support learning intentions and success criteria help planning and clarify learning goals for students.



1000 worked examples each with a video explainer and up to 3 'check your understanding' auto-correcting questions, plus hundreds of integrated ClickView videos.



Teach the lesson in the Hub, then work through questions and practice in the Student Companion, or use a flipped classroom model - the choice is yours.

Quality content created by expert Australian educators

Created with over 30 content creators with experience in Australian Mathematics teaching and learning with best practice lesson design to support explicit teaching strategies.

Thousands of content assets in engaging formats

We 'chunk' content into different formats using the *read a little do a little* approach to support learning, with so many options to engage across video, worked examples, downloadable worksheets and much, much more.

The perfect mix of online and offline content

Printed student companions work alongside lessons in the teaching hub to practice and consolidate learning, in-class or for homework.

Review our detailed feature list

Pearson Secondary Teaching Hub is the only solution that provides simplified teaching with energised learning for the new NSW Syllabus Mathematics for Stage 4 and Stage 5.

Simplified teaching

Full curriculum coverage

- ✓ Full coverage of the NSW Syllabus v2.0 for Stage 4 and Stage 5 Mathematics, written from the ground up
- ✓ Access full year 7-10 content to use for differentiation as required

Simplified lesson planning

- ✓ No other platform integrates as many lessons and resources in such an easy to use interface
- ✓ One-click 'save to class' to plan lessons quickly
- ✓ Browse by curriculum code, subject, stage, content format and keywords to find what you need in minutes
- ✓ Lesson scope and sequence as a base for new lesson plans

Easy to use assessment and reporting

- ✓ Over 4000 auto-correcting assessment questions
- ✓ Access to the Pearson Diagnostic assessment tool with 65 pairs of quizzes and over 500 targeted activities generated as Individual Learning Plans to upskill students
- ✓ Class-level reports to see performance across lessons and topics
- ✓ Report at individual student level to assess performance

Teacher support within lesson context

- ✓ Toggle teacher and student view for teacher notes and prompts
- ✓ Lesson warm-ups with enabling and extending prompts
- ✓ Common misconceptions and remediation
- ✓ Hints, focus points and extending prompts support differentiation

Downloadable teacher support

- ✓ Teaching programs
- ✓ Student Companion pages and answers
- ✓ Topic tests and answers

Simple setup and integration

- ✓ Ready to go integration with Microsoft Teams, Google Classroom and Schoolbox
- ✓ LTI 1.3 compliant to integrate easily with most LMS providers
- ✓ Access direct through Pearson Places for simple getting started without IT required

Energised learning

Quality content created by expert educators

- ✓ Written by more than 30 experienced Australian Mathematics educators
- ✓ Lesson design has been created to support NSW teachers delivery explicit teaching strategies to optimise student learning
- ✓ Well-known Pearson Mathematics series best practice approach updated, rewritten and integrated
- ✓ Printed write-in student companions consolidate learning and linked to every digital lesson

Thousands of content assets in engaging formats

- ✓ 400 lessons mapped to 10-15 topics per year level across 7-10
- ✓ 1000 worked examples, each with a video explainer, up to 3 auto-correcting questions and a matching print 'try it yourself' in the Student Companion
- ✓ Hundreds of ClickView videos (require subscription) to engage students in lessons
- ✓ 30 interactive Desmos activities

Clear progress and formative assessment

- ✓ Over 400 Learning intentions and 1000 success criteria to help clarify learning goals for students in their journey to mastery
- ✓ Lessons support spatial predictability ensuring there's no barrier to learning
- ✓ Formative auto-assessment for every success criteria in 'Check your understanding' and 'Lesson review' questions.
- ✓ Real-time assessment data gives students and teachers immediate feedback

An unmatched variety of **quality lesson content** and **assessment options** with the perfect mix of **online and offline learning**

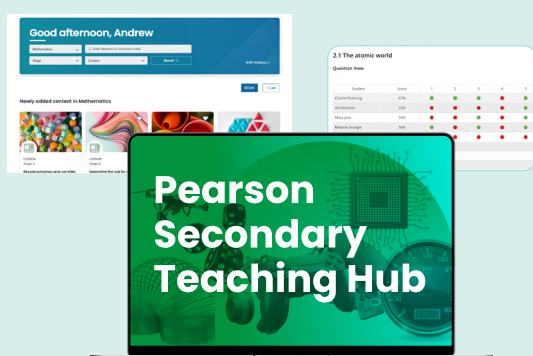
Pricelist

Available now

NEW

Pearson Secondary Teaching Hub

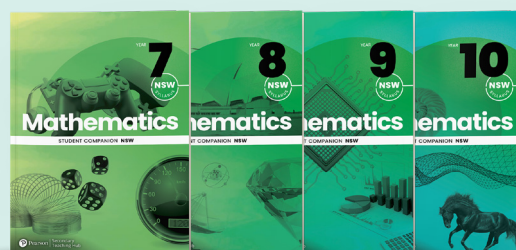
A flexible hub of digital lessons mapped to the years 7-10 Australian Curriculum



\$28.95 per student

Student Companions

Write-in books linked to every lesson in Teaching Hub for practice and homework



\$19.95 each

Your essential resource for NSW Maths in 2024

When your school adopts *Pearson Secondary Teaching Hub*, teachers are given free access to the digital hub and students can purchase their digital subscription and student companion books via Pearson or your school's bookseller.

ISBN	Pearson Secondary Teaching Hub components	Student price
9780655715894	Pearson Years 7–10 Mathematics Teaching Hub (NSW)	\$28.95 Annual subscription
9780655715900	Year 7 Mathematics Student Companion (NSW)	\$19.95 Printed book
9780655715917	Year 8 Mathematics Student Companion (NSW)	\$19.95 Printed book
9780655715924	Year 9 Mathematics Student Companion (NSW)	\$19.95 Printed book
9780655715931	Year 10 Mathematics Student Companion (NSW)	\$19.95 Printed book

Schedule a demo at pearson.com.au/teaching-hub

