

Written to the APPROVED AUSTRALI

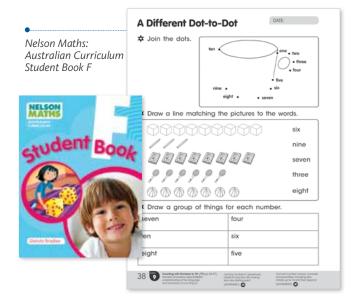
Nelson Maths: Australian Curriculum F–6⁺

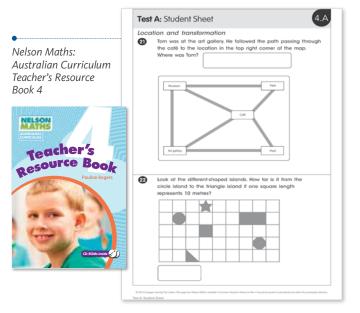
Nelson Maths: Australian Curriculum supports the Australian Curriculum content strands *Number and Algebra*, *Measurement and Geometry*, and *Statistics and Probability* F–6, and integrates the proficiency strands of Understanding, Fluency, Problem Solving and Reasoning throughout the activities and tasks.

The **Nelson Maths: Australian Curriculum** program provides between 30 and 35 units of work for each year level, with each unit of work divided into three Lesson Plans. Providing flexibility, the Lesson Plans cater to students' different learning styles and diverse needs. Teachers are provided with a variety of opportunities to assess their students' understandings for future planning and learning.

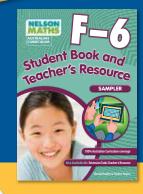
The program:

- enables teachers to implement focused teaching
- assists students by scaffolding their learning
- improves students' mathematical understandings
- provides open-ended and stimulating tasks, allowing students to work at their appropriate developmental level
- caters to various and individual learning styles
- develops students' mental computation skills
- provides teachers with choices so they can readily meet the needs of individual students and/or groups of students
- allows for effective grouping of students
- integrates Information and Communication Technology (ICT)
- provides ongoing assessment and opportunities for a variety of assessment types.





STUDENT BOOK AND TEACHER'S RESOURCE SAMPLER BOOK



The **Nelson Maths: Australian Curriculum** Sampler provides teachers with the opportunity to view pages from this exciting series.

The Sampler features one whole *Number and Algebra* unit for each year level, from Foundation to Year 6, which showcases the sequential development of content through the series. Also included in the Sampler are the Lesson Plans, Student Book pages and Student Assessment pages from an additional unit for each year level.

Contact your representative to request a copy or visit www.nelsonprimary.com.au/nelsonmaths to view the Sampler eBook. While stocks last

AN CURRICULUM

Student Books

At the core of this series are the **Nelson** Maths: Australian Curriculum Student Books. Featuring engaging tasks that students can complete independently, they will ensure core mathematical skills are developed while learning and understanding is achieved.

Each Student Book features:

- three pages of activities for each unit . (one Student Book page per Lesson Plan)
- one Student Assessment page per unit .
- the linking Australian Curriculum: . *Mathematics* content strand, content descriptions and code for that unit
- a Glossary of mathematical terms. .



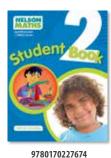


9780170227667 STUDENT BOOK: YEAR 1

NELSON

audent

Boo



STUDENT BOOK: YEAR 2

NELSON

dent Boo

9780170227711

STUDENT BOOK: YEAR 6



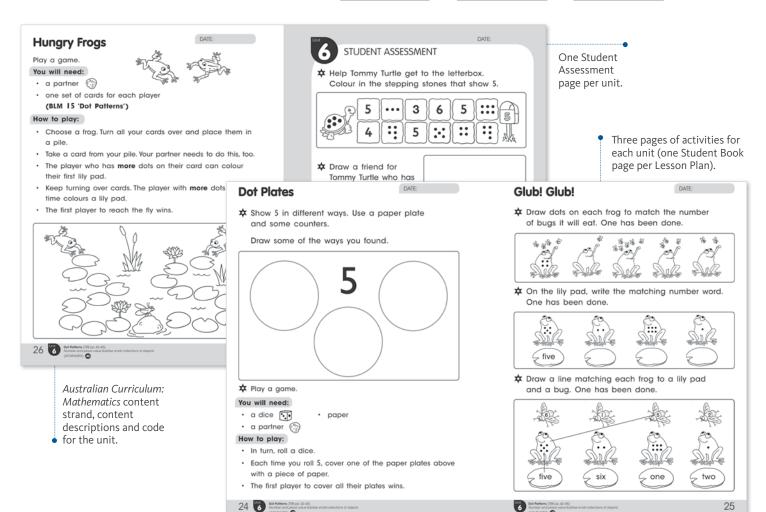
9780170227681 STUDENT BOOK: YEAR 3



STUDENT BOOK: YEAR 4

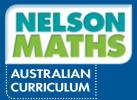


9780170227704 STUDENT BOOK: YEAR 5



(118) (118) (100) (100)

0



Written to the APPROVED AUSTRALI

Teacher's Resource Books

Each Teacher's Resource Book provides between 30 and 35 units covering the *Australian Curriculum: Mathematics* content strands of *Number and Algebra, Measurement and Geometry,* and *Statistics and Probability.* Designed to aid teachers' planning and implementation of the curriculum each step of the way, it features:

- Assessment Task Cards (with linking Targeted Assessment Task Cards)
- Tests A and B
- Assessment and Planning BLMs
- a CD-ROM containing all NTOs
- a CD-ROM containing all BLMs, Tests, Answers (Year 3 and up) and Assessment Task Cards as printable PDFs.

At the beginning of each unit the following are listed:

- the link to the Australian Curriculum: Mathematics content strand, content descriptions and code for that unit
- Maths Language: the vocabulary the teacher models and uses in his or her teaching, and the language students are encouraged to use.



9780170227728 TEACHER'S RESOURCE BOOK: YEAR F Resource Book

Teacher's

MATHS

9780170227735 TEACHER'S RESOURCE BOOK: YEAR 1 Teacher's Resource Book Ord Bate

9780170227742

TEACHER'S RESOURCE BOOK:

YEAR 2



9780170227759 TEACHER'S RESOURCE BOOK: YEAR 3



TEACHER'S RESOURCE BOOK:

YFAR 4



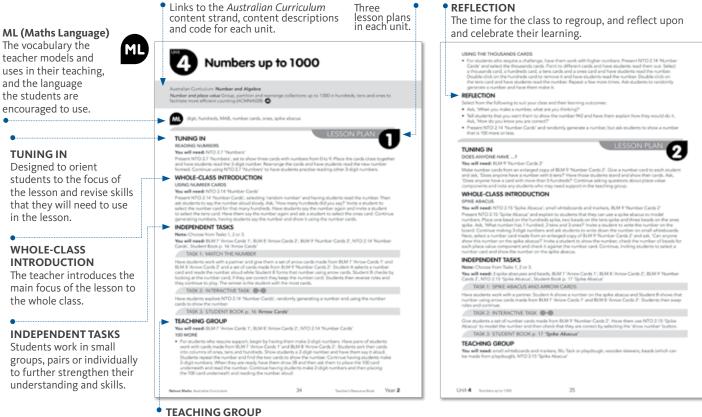
MATHS

Teacher's

9780170227773 TEACHER'S RESOURCE BOOK: YEAR 5



9780170227780 TEACHER'S RESOURCE BOOK: YEAR 6



The teacher works with a small number of 'like-needs' students to teach level-appropriate concepts.

AN CURRICULUM

Home Tasks

- Have students look for things around the hone that show numbers with two decimal places, e.g. itse from the party look, newspaper, measuring explanment. Have them is that the the and the decimal sponting event, now report or advectments: Have valued that out and undershow sponting event, now report or advectments: Have valued that out out planment around the sponting event in the sponting event of the acceleration of the sponting event. There there could be used in some of the acceleration is undershow and bring to date descent and the sponting event of the acceleration is acceleration.
 Assessment
- Have students compl
- Review with students Assessment Task Card 4.18
- During the three feisions: • Collect created items e.g. the Excel spreadsheets from Lesson Plan 1, Independent Tasks, Task 2 and number lines from Lesson Plan 3, Independent Tasks, Task 1, as work samples for student pp
- Make note of students who completed the scaffolding tasks or the more challenging activities of the Teaching Groups.
 Review Student Book pages and make notes of areas of difficulty.
- Recommendations for Future Learning
- Specific to Student Assessment p. 105; if the student is experiencing difficulty: Q 1 Work with whole numbers, then numbers with only one decimal place. Q 2-3 Use BLM 33 'Decimal Numbers and Words 1' and BLM 34 'Decimal Numbers and 'I
- Q.2-3. Use BLM 33 'Decimal Numbers and Words '1 and BLM 34 'Decimal Numbers and Words '2 to matching the numeric form of a number to its word form.
 Q.4-8. Fractise drawing number lines with whole numbers, before moving to numbers with one decim Give the student numbers like 31,5 cb and 7.2.
- When we derive a solution of the recommended skills for this unit: 1. See Assessment Task Card 4.18 for specific recommendations. 2. Have the subdex work with whole numbers in any of the listed activities (at their level) before mo

decimal numbers. Scaffold them with the use of a place-value chart to reinforce the values and positio of the decimal parts. 3. Review Nelson Mether. Australian Curriculum Year 3 Unit 13.

Interview reason match, natoraise Curriculum reer 3 Unit 13. If the student has achieved the recommended skills and these skills are firmly established, consider: Moving forward to Nelson Matha: Australian Curriculum Year 5 Unit 18.

 Having the student complete Nelson Maths Mental Strategies Big Book 4, pp. 8-9; to reinforce men strategies with decimal numbers.
 Extending the student in any of the lated activities or tasks by using decimal numbers to three

End of unit activities:

- Home Tasks (Years 3–6)
- Assessment
- Recommendations for Future Learning
- Extension Tasks.

Nelson Teaching Objects and Learning Objects

The desired teaching combination of both print and digital resources to optimise student learning is provided with **Nelson Maths: Australian Curriculum**. Information and Communication Technology (ICT) is deliberately integrated into the program, with Nelson Teaching Objects (NTOs) – fully updated and some newly created – provided for use on interactive whiteboards and individual computers.

The NTOs:

- illustrate mathematical concepts explicitly
- engage students actively in their own learning
- scaffold student learning
- require students to use their mathematical understandings in an engaging and meaningful context.

Also referred to are the pedagogically sound, interactive Learning Objects (LOs) created by Education Services Australia. These are incorporated in Independent Tasks in the unit Lesson Plans.

► Suitable for:



6+ EXTENSION TASK RESOURCE BOOK



9780170233798 6+ EXTENSION TASK RESOURCE BOOK Recognising the importance of supporting advanced students, a new addition to this series is the Year 6+ Extension Task Resource Book.

It features activities to extend students who are excelling in mathematics and who would benefit from more challenging learning tasks.

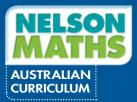
The author has designed these tasks so that they both broaden students' understanding, reasoning and problem-solving skills within the Year 6 curriculum, as well as provide them with 'bridging' activities into the Year 7 curriculum.



4.8 Thermometer
X.W. Deput to employ and the second sec

(HD) Requires Adobe[®] Reader[®] & Adobe[®] AIR[®] to view files[†]

[†]Visit www.adobe.com/downloads



Written to the APPROVED AUSTRALI

Assessment and Planning

Teachers recognise the importance of assessment in the teaching and learning process, and the role it plays in future planning for students' learning. With **Nelson Maths: Australian Curriculum** teachers are given the opportunity to choose the assessment methods best suited to individual students. The program provides specific recommendations for future learning experiences, which are linked to the assessment tasks.

Assessment is ongoing but it can be specifically targeted using **Nelson Maths: Australian Curriculum**:

- during the school year (Test A and Test B)
- at the end of a unit (Student Assessment page and Assessment Task Card)
- on a daily basis during mathematics sessions; that is, as part of the Whole-Class Introduction, Teaching Group, Independent Maths, while roving, and during 'Reflection'.

Recognising not only the importance of assessment, but the consequences of it, the **Nelson Maths: Australian Curriculum** program provides guidance for students who need additional support as well as those who require more challenging tasks.

The **Nelson Maths: Australian Curriculum** program includes the following assessment resources:

Test A and Test B

Pen-and-paper tests written to be used halfway through the year and at the end of the year.

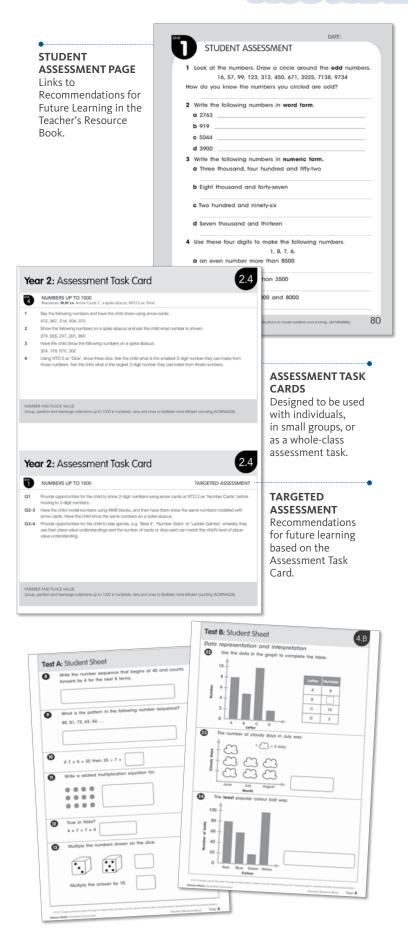
Test B can also be used at the beginning of the next school year. For example, Year 2 Test B can be used at the beginning of Year 3.

Student Assessment page

This page links to Recommendations for Future Learning in the Teacher's Resource Book to guide teachers with strategic or targeted responses to the specific learning needs of individual students.

Assessment Task Cards

An alternative to pen-and-paper tests, these cards have been designed to be used with individuals, in small groups, or as a whole-class assessment task.



AN CURRICULUM

Building Mental Strategies Big Books and Skill Books

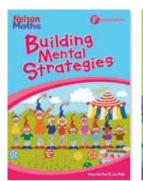
The Nelson Maths: Building Mental Strategies Big Books and Skill Books are beneficial resources teachers can use to support Nelson Maths: Australian Curriculum as they implement the program. Referenced in the series, they are relevant and applicable for the Australian Curriculum: Mathematics, and are valuable tools in supporting students in the development of sound mental strategies that will work for them in a variety of contexts.

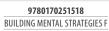
Big Books

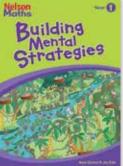
Designed for modelled, shared and guided sessions, each book is a highly visual resource for teaching mathematical mental strategies. Teachers and students will enjoy the large format while exploring the mental strategies found in counting, place value, addition and subtraction.

Each Big Book features:

- step-by-step teaching notes with focus questions, conveniently located in the inside back covers
- teaching focus notes, at the base of each spread
- colourful and stimulating pictures
- well set out and easy-to-follow diagrams.







BUILDING MENTAL STRATEGIES 1



9780170251532 **BUILDING MENTAL STRATEGIES 2**



Skill Books

Building Mental Strategies Skill Books



9780170370561

YFAR 3





9780170370578 YFAR 4





9780170370592 YFAR 6

Nelson Maths: Building Mental Strategies Skill Books are four write-in workbooks for students in middle and upper primary. The Skill Books support the learning and development of mental strategies in the areas of counting, place value, addition, subtraction, multiplication and division.







SERIES OVERVIEW





CUSTOMER SERVICE PHONE: 1300 790 853 FAX: 1300 790 852 EMAIL: anz.customerservice@cengage.com Level 7, 80 Dorcas Street, South Melbourne 3205 Printed 07/15 PRI 8623 ABN 14 058 280 149