

Australian Curriculum Mathematics Resources checklist

Evaluating Printed/Digital Textbook Series Developed for the Australian Mathematics Curriculum

Deciding which textbook series will best facilitate the implementation of the Australian Mathematics Curriculum in your school, meet the specific needs of your students, and effectively support teachers with varying degrees of Maths expertise will be a challenging task that you are likely to confront in the near future. *Nelson Cengage* staff have consulted experienced Maths Co-ordinators/ Heads of Departments and identified key criteria worth considering when making this decision. We have arranged these into a handy grid so that you can readily compare what different publishers are offering.

Key Criteria for Selecting Textbooks	Maths Textbook Series			
1. Curriculum coverage: Does the series cover all of the content descriptions and elaborations?				
2. Proficiencies: Do the books explicitly support the development of each of the four proficiencies?				
3. Sequencing: Are maths concepts appropriately developed and strengthened across year levels?				
4. Readability: Are the vocabulary and reading level appropriate for your students?				
5. Ability levels: Do the books provide sufficient activities to cater for mixed ability classrooms?				
6. Prerequisite skills: Does each book ensure the necessary prior learning is effectively covered?				
7. Learning styles: Are activities provided to cater for the different learning styles of students?				
8. Effective learning: Will the treatment of worked examples promote in-depth understanding?				
9. Authorship: Are the textbooks written by teachers with well-established reputations as authors?				
10. Relevancy: Do the books promote real-world problem solving using maths?				
11. Technology: Do the activities require students to use calculators and computer programs?				
12. Page design: Will the design appeal to students and enable them to focus on essential features?				
13. Size: Are the textbooks compact enough to be easily carried about by students?				
14. Pricing: Are the books good value for money and competitively priced?				

If you are thinking of using **digital textbooks**, here are some additional criteria to consider.

1. Interactivity: Are the digital versions of the printed textbooks interactive?				
2. Customisation: Can you add links, notes, and annotations that all of your students can see?				
3. Connections: Are there links to specially developed digital learning resources?				
4. Flexibility: Can the digital books be used on a range of devices, eg interactive whiteboard, iPad?				
5. Reliability: Will the digital version run smoothly and efficiently on your IT systems?				
6. Suitability: Is the digital textbook visually appealing and user-friendly for students?				