

# Student Text

## Preparatory Material

- **Review of Essential Skills and Knowledge** precedes each strand, and **Getting Ready** pages at the beginning of each chapter provide a bank of questions to refresh students' understanding of key concepts and skills required for the upcoming material

## Organized by Content Strands

The text is organized into four main parts that align with the curriculum strands:

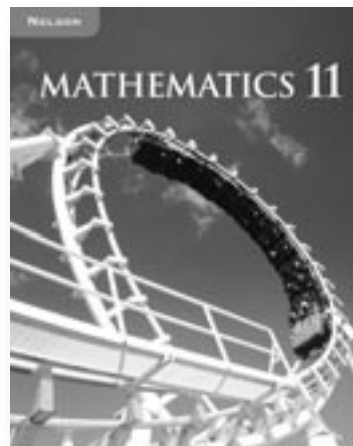
- Financial Applications of Sequences and Series
- Functions
- Trigonometric Functions
- Loci and Conics (for University Preparation course only)

## Logical and Consistent Format

- *Nelson Mathematics 11* offers a predictable and inviting format that is consistent with *Nelson Mathematics 9* and *10*.

## Variety of Chapter Lessons

- **Concept Lessons**—concepts may be developed through a teacher-guided approach using the Think, Do, Discuss questions, or through a more teacher-directed approach using key ideas and multiple solved examples
- **Skill Builder Lessons** are a new feature to *Nelson Mathematics 11*. Skill Builders provide students the opportunity to practise and consolidate their understanding of key mathematical skills through solved examples and exercise sets.
- **Technology Lessons** develop skills with the use of technology including graphing calculators (TI-83 Plus), digital probes, spreadsheets, and graphing software.
- **Exploration Lessons** provide optional opportunities to explore concepts through an inquiry-based, hands-on approach.



ISBN 0-17-615757-3  
Hardcover, 4-colour

## Integrated Technology

- Content lessons integrate the use of technology as an instructional tool where appropriate or as mandated by the curriculum
- **Technology Lessons** with detailed instructions and screen captures
- **Technology Appendix**—reviews technology skills introduced in grades 9 and 10

## Extensive Review

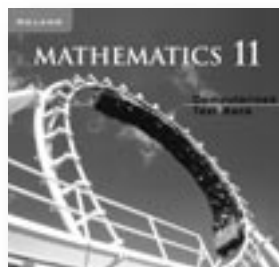
- **Review of Essential Skills and Knowledge** is provided in four parts, for review of mathematics from previous grades
- **Getting Ready** previews the mathematics required for each chapter
- **Chapter Review** provides **Check Your Understanding** questions, additional exercises organized by section, and chapter summary
- **Chapter Review Tests** and **Cumulative Review Tests** are provided for study

See “Curriculum Congruence” section of this brochure for a detailed Table of Contents – pages 12 and 13.

# Computerized Test Bank

Save yourself time when making up quizzes, tests and extra practise questions! The **Computerized Test Bank** features hundreds of questions, ranging from basic to more challenging problem-solving and reasoning questions.

- Question format varies from multiple choice to short and extended answer.
- New format for grade 11 makes it easy to modify and incorporate your own questions into the test bank.

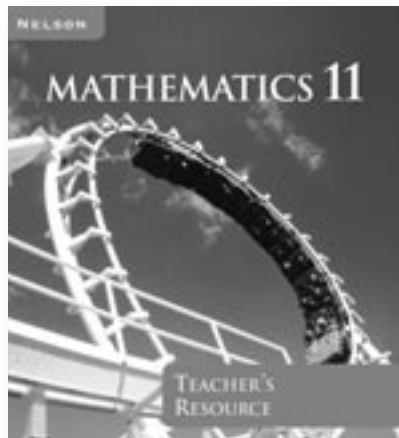


ISBN 0-17-615759-X  
Dual platform CD-ROM  
for Windows and Mac

# Teacher's Resource with CD-ROM

The *Nelson Mathematics 11* Teacher's Resource is being developed simultaneous to the student text. A teacher resource sampler, containing all of Chapter One, will be sent to schools, along with examination copies of the Student Text in May. The complete Teacher's Resource binder will be available in September 2001. Contents include:

- Introduction to the *Nelson Mathematics 11* Program
- Assessment and Evaluation section
- Chapter overview charts and assessment organizers
- Timing suggestions
- Comprehensive teaching notes for each chapter, including suggestions for differentiating between the University/College and the University course
- Assessment suggestions, sample tests, support for performance tasks, and rubrics
- Extension suggestions and technology tips



ISBN 0-17-615756-5  
Three ring binder

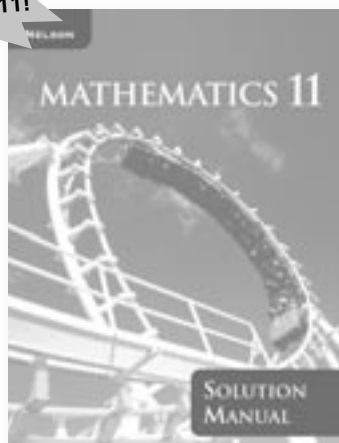
See inside  
back cover for  
more details!

- Includes CD-ROM that features an electronic version of the Student Text, Teacher's Resource, and Solutions Manual
- Online version of the Teacher's Resource, Solutions Manual and Student Text is available to *Nelson Mathematics 11* users through password-protected access to our Web site

# Solutions Manual

New  
Component  
for Grade 11!

- Full solutions to all questions from the Student Text
- Pages may be reproduced for students
- Electronic version of the Solutions Manual on CD-ROM is included in the Teacher's Resource



ISBN 0-17-615758-1  
Softcover

# Nelson Mathematics Web Site

- Organized into four main sections: Students; Teachers; Parents; and Product Information
- Student section will feature Web links plus a performance task that requires students to explore linked Web sites to research and complete the online activity.
- Teacher section will feature online accessibility to pages from the Student Text, Teacher's Resource and Solutions Manual
- Updates and other relevant information



[www.math.nelson.com](http://www.math.nelson.com)