

McGraw-Hill Ryerson

# MathLinks 7

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**McGraw-Hill Ryerson**  
***MathLinks7 Teacher's Resource***

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## To the Teacher

Welcome to *MathLinks 7*, a program specifically designed by classroom teachers to meet the needs of other classroom teachers. The material in the *MathLinks 7* student resource, this Teacher's Resource, and the Teacher's CD fully cover the outcomes listed in *The Common Curriculum Framework* for Grade 7 Mathematics, Western and Northern Canadian Protocol (WNCP). A correlation starting on page xxxvii in this Teacher's Resource provides detailed information about where and how often each outcome has been handled.

The opening section of this Teacher's Resource provides an overview of the entire *MathLinks* program, including how the program deals with adaptations and assessment. In addition, if you are teaching a double grade, you may wish to check the Combined Grades section on the *MathLinks 7* web site.

Before you start planning, take a few minutes to review a chapter in the *MathLinks 7* student resource and the related notes in the Teacher's Resource.

- Note how the Roman numeral pages at the beginning of each chapter in the Teacher's Resource start with a list of general and specific outcomes. A related self-assessment master provides these outcomes in student-friendly language.
- The opening matter for each chapter also includes a chapter planning chart that provides suggested time frames, exercise guides, blackline masters, plus a list of materials and technology tools for each lesson. An assessment planner lists all of the types of assessment in the chapter, including the related Teacher's Resource page references and any assessment tools. Get Ready material following the assessment planner provides suggestions for assessing student readiness for the chapter.
- Each chapter opener in the Teacher's Resource provides a second Foldables™ design for helping students learn the key terms.
- Each chapter section in the Teacher's Resource opens with a Warm-Up that provides an ongoing cumulative review of the skills handled during that particular chapter and earlier in the student resource. The Warm-Up also provides ongoing reinforcement of relevant Mental Math skills.
- Assessment boxes provide suggestions for Assessment *as* Learning, Assessment *for* Learning, and Assessment *of* Learning opportunities.
- Supported Learning provides information on how to modify the material to meet the needs of students with particular learning styles and ability levels.
- Common Errors outline difficulties some students may have with the material, and how to help them overcome these difficulties.
- Math Links provide suggestions for supporting students as they work on the activities related to the chapter problem.
- Each chapter ends with a chapter review and a chapter practice test. A related chapter test blackline master provides the opportunity for Assessment *of* Learning.

The Teacher's CD for this Teacher's Resource has scaffolding blackline masters for each Math Link and the Wrap It Up! The Math Links are part of the chapter problem and help students work toward the Wrap It Up!, which appears at the end of each chapter practice test. There is also a generic rubric and rubric notes to help you assess student work on the chapter concepts and skills.

Other items that assist students in developing their skills include the Math Games and the Challenge in Real Life activities at the end of each chapter, and a Task with the cumulative review at the end of Chapters 4, 8, and 12. The Challenge in Real Life and Task activities can also be assessed using the generic rubric, plus assessment notes specific to each activity.

All blackline masters, including the generic rubric, chapter tests, and extra practice worksheets are provided in both PDF and Microsoft® Word formats. You can customize these by adding or subtracting scaffolding and by changing the numbers to provide additional or more/less challenging questions, depending on the range of reading and learning levels of your particular class.

Additional teaching ideas and student materials, including alternative Challenge in Real Life activities and Tasks, are mounted on the McGraw-Hill Ryerson web site at [www.mathlinks7.ca](http://www.mathlinks7.ca). The first time you enter this site, use the following username and password:

Username: mathlinks07

Password: 7teacher

Once you log in, you will be prompted to create your own unique username and password.

We feel confident that these materials will assist you and your students in meeting the outcomes of the new WNCP Math curriculum.

—The Authors, Consultants, and Advisors for *MathLinks 7*