

Web Resources

NEW TEACHER INDUCTION PROGRAM

<h2>Mathematical Literacy/Numeracy, 7-12</h2>	Professional development and training, specific to the needs of new teachers, should include the following core content:					
	Professional learning opportunities that develop and strengthen mathematical literacy, as well as competence in both mathematics content and methodology for teaching it	Strategies to create an appreciation of and a positive disposition towards mathematics as well as a positive classroom climate	Knowledge of effective strategies and resources, and how to use effectively the manipulatives and technologies needed to teach/learn numeracy skills including differentiating instruction and connections to the everyday applications of numeracy skills	How to use diversified means of assessing numeracy skills	How to create, access and use appropriate resources including a variety of print, electronic and media resources (in order to align instruction with the curriculum policy and focus on the important mathematics)	How to plan and pose effective questions, and respond to student responses in ways that encourage risk taking, legitimize errors as part of the learning process and respect the contributions of all students
Mathematical Knowledge for Teaching: Dr. Deborah Loewenberg Ball						
<i>Pre-Planned Programs and Lessons with Accompanying Student Activities for Mathematics</i> Grade 7, Grade 8, Combined Grades 7/8, Grade 9 Applied, and Grade 10 Applied MBF3C, MBF3M, MHF4U, MCV4U, MDM4U, MCT4C, MAP4C, MEL4E		 	 	 	 	 
Professional Learning Videos-on-Demand on Key Topics under 'My Professional Practice'						

Mathematical Literacy/Numeracy, 7-12

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Think Literacy: Subject-Specific Strategies, Mathematics, Grades 7-9 and Grades 10-12



Instructional Supports for Grades 7-10 with Sample Problems and Solutions

Fractions

Integers

Patterning to Algebraic Modelling

Perimeter, Area, and Volume

Proportional Reasoning

Solving Equations and Using Variables as Placeholders



[Click here](#) to access French language resources to support professional development in this core content area.