Pearson

mathology



SUPPORTING TEACHERS WITH PRACTICAL, CLASSROOM-READY MATHEMATICS INSTRUCTION

Mathology.ca K–9 • Mathologie.ca K–9 • Mathology Little Books K–3 • Activity Kits 1–3
Math Mats 1–2, 3–5, and 5–8 • Practice Workbooks 3–9 • Available in English and French

Educators value classroom solutions that help them ignite student thinking, differentiate instruction, assess learning, and support every learner's mathematical journey.

AREAS OF FOCUS FOR CLASSROOMS

1 Developing Deep Mathematical Thinking

- facilitate rich mathematical discourse
- explore multiple solution strategies and representations
- build student confidence in problem-solving
- foster critical thinking and reasoning skills

2 Making Student Thinking Visible

- observation opportunities embedded in instruction
- assessment tools include sample student thinking or solutions
- student and class conversation prompts
- evidence-gathering strategies for informed decision-making

Mathology Impact: Rich opportunities for students to see themselves as capable and successful mathematicians.

3 Supporting Diverse Learners

- tasks provide multiple entry points
- suggested accommodations and extensions at the lesson level
- follow-up intervention and extension opportunities
- address common misconceptions

Mathology Impact: Support and differentiation suggestions for individual learners found within the plan for the whole class.

4 Teacher Professional Judgement

- teacher background knowledge
- anticipated student responses
- facilitation guidance
- instructional recommendations

Mathology Impact: Practical support when planning, teaching, assessing, and supporting learners

5 Connecting Assessment, Instruction, and Intervention

- ongoing formative assessment
- encourage multiple representations
- foster student voice and engagement
- promote equitable access to mathematics learning

Mathology Impact: Actionable insights that inform instructional next steps for class or students.

WHY EDUCATORS CONTINUE TO CHOOSE MATHOLOGY

Comprehensive Teacher Math Resource

- Curriculum-aligned lessons
- Variety of engaging student-centered tasks
- Balance of conceptual and procedural student materials
- Thorough teacher support materials

Connecting Instruction, Assessment and Intervention

- 3-part lesson includes specific teacher supports to deliver lesson and highlight important concepts in the lesson
- What to Look For, Probing Questions and Practice support observation, conversation and product lens on assessment
- Assessment charts provide developmental perspective of concepts and next steps
- Mini-Lesson Interventions available within each lesson

Making Student Thinking Visible

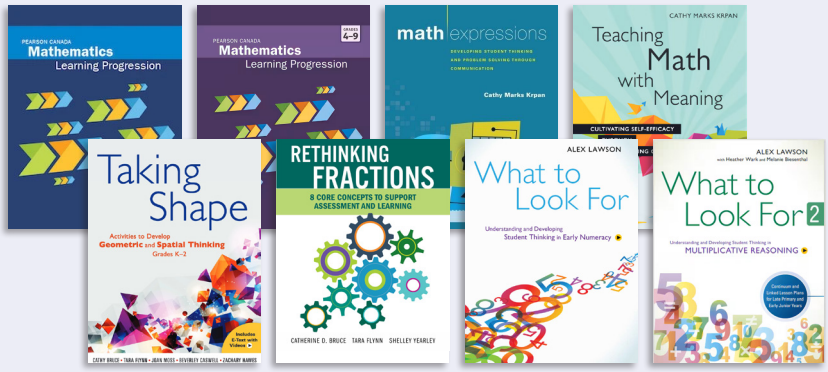
- Multiple representations are developed and valued
- Interactive Math Tools woven throughout to further support Concrete – Representation – Abstract (CRA) approach to mathematics learning
- Student solutions and strategies suggested in consolidation part of the lesson
- Student thinking and solutions found within the assessment charts in order to help teacher move student learning forward

Flexible Implementation across Diverse Classroom Contexts

- Various sample long-range plans that can be modified
- Combined grade sample long-range plans available
- Access to all materials K-9
- Student materials that are modifiable
- Some student materials that can be shared with students

PROFESSIONAL LEARNING INCLUDED

Learn from Leading Mathematics Experts



WHAT EDUCATORS ARE SAYING

"Nothing I've used ever really covered everything the way that Mathology.ca does. It's start, middle, end—it's the whole thing. Problem solving, lessons, the teaching, the terminology, all of that is incorporated in Mathology.ca."

—Sara Brown

"My grade threes loved this whole experience, they were so engaged. And I liked it because they were learning math in a fun way and were able to retain more information and make connections to their real life."

—Noralee Yara

"These kids are a lot more confident in terms of their knowledge of math. They love math a lot more than they might have before because they're involved and doing activities."

—Christine Drotos

"I used to have to search and pull activities from different programs. But with Mathology, differentiation was so much easier because everything was in one central place."

—Shammy Gill

"The Mathology materials have content learning built into them. It's been really helpful to have the instructional materials and the content learning wrapped into one unit when we're trying to provide professional learning in the classroom."

—Krista Sarmatiuk

"The types of conversations we have with Mathology are so rich, they tell me students are not memorizing facts, they understand their facts."

—Cheryl Stadnick

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