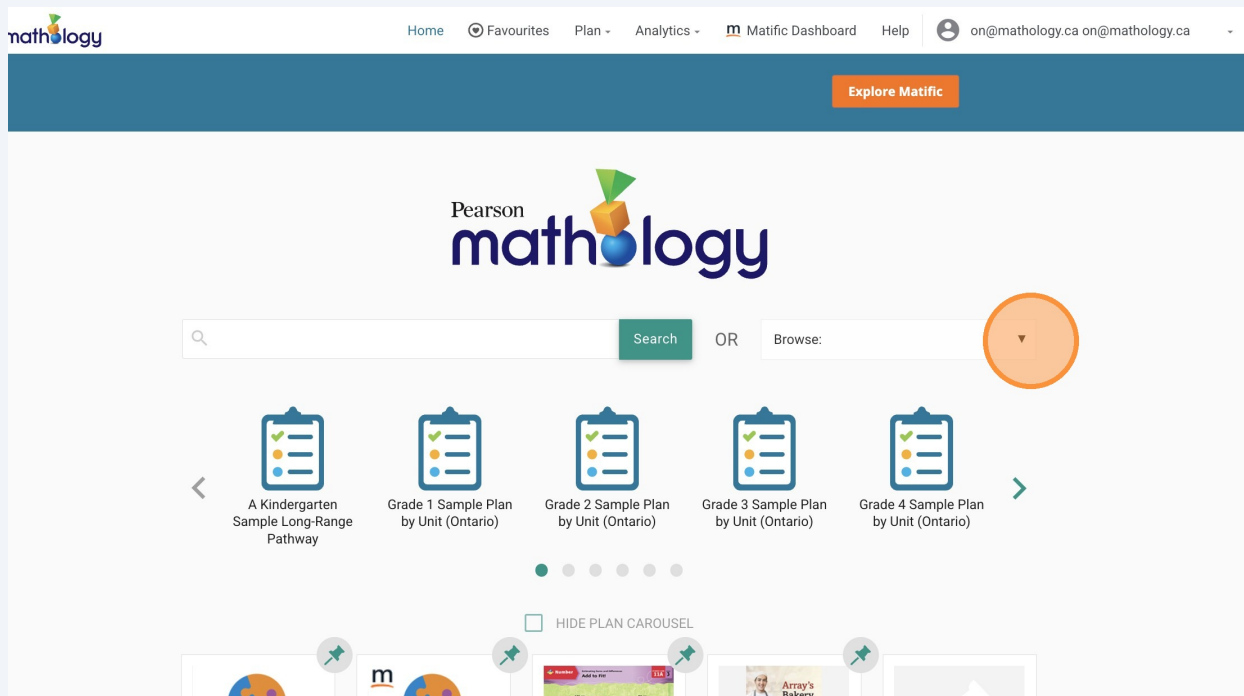


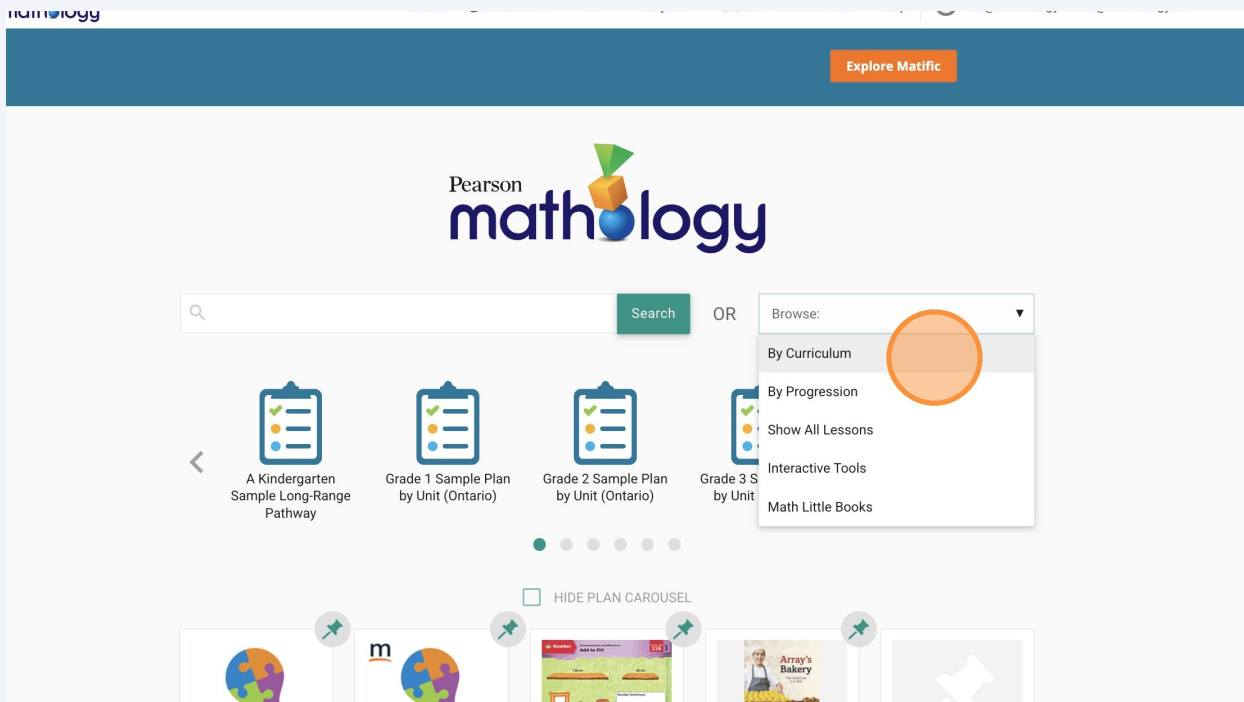
Search Mathology Lessons by Curriculum

This guide provides a method for navigating Mathology lessons tailored to specific curricula. By following the steps outlined, users can efficiently locate lessons based on grade, strand, and expectations, ensuring they find the most relevant resources for their educational needs.

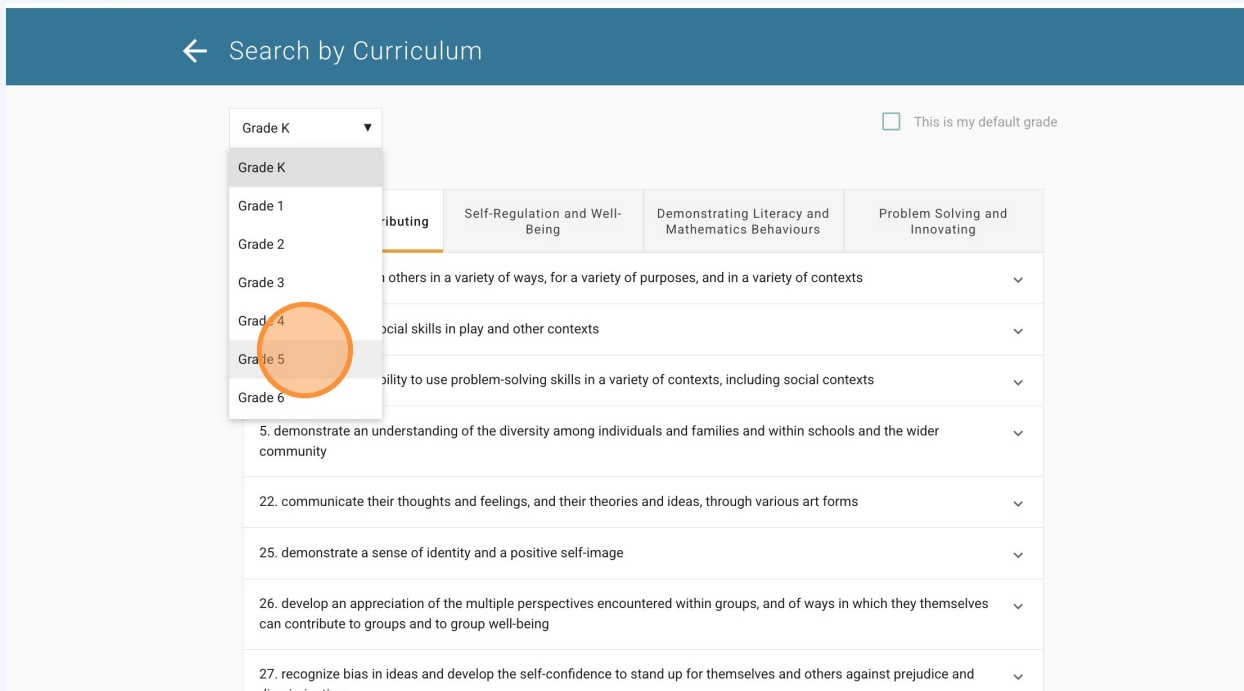
1 Click "Browse:"



2 Click "By Curriculum"



3 Choose a grade












4 Choose a strand

The screenshot shows the Mathology interface for selecting a curriculum strand. At the top, there is a search bar and navigation links: Home, Favourites, Plan, Analytics, Matific Dashboard, and Help. The user's email is on@mathology.ca. Below the navigation is a dark blue header with a back arrow and the text 'Search by Curriculum'. A dropdown menu is set to 'Grade 5' with a checkbox for 'This is my default grade'. A horizontal menu contains six options: A. Social-Emotional Learning (SEL) Skills, 3. Number (highlighted with an orange circle), C. Algebra, D. Data, E. Spatial Sense, and F. Financial Literacy. Below this menu, a dropdown is open, showing the text: 'A1. Social-Emotional Learning (SEL) Skills and the Mathematical Processes: apply, to the best of their ability, a variety of social-emotional learning skills to support their use of the mathematical processes and their learning in connection with the expectations in the other five strands of the mathematics curriculum'.

5 Choose an overall Expectation

The screenshot shows the Mathology interface for selecting an overall expectation. The layout is identical to the previous screenshot, but the '3. Number' strand is now selected and highlighted with an orange circle. Below the horizontal menu, a dropdown is open, showing two sub-expectations: 'B1. Number Sense: demonstrate an understanding of numbers and make connections to the way numbers are used in everyday life' and 'B2. Operations: use knowledge of numbers and operations to solve mathematical problems encountered in everyday life'. The 'B2. Operations' option is highlighted with an orange circle.














6 Click a magnifying icon to choose a specific expectation

- B2. Operations: use knowledge of numbers and operations to solve mathematical problems encountered in everyday life ^
-  Properties and Relationships: B2.1 use the properties of operations, and the relationships between operations, to solve problems involving whole numbers and decimal numbers, including those requiring more than one operation, and check calculations
 -  Math Facts: B2.2 recall and demonstrate multiplication facts from 0×0 to 12×12 , and related division facts
 -  Mental Math: B2.3 use mental math strategies to multiply whole numbers by 0.1 and 0.01 and estimate sums and differences of decimal numbers up to hundredths, and explain the strategies used
 -  Addition and Subtraction: B2.4 represent and solve problems involving the addition and subtraction of whole numbers that add up to no more than 100 000, and of decimal numbers up to hundredths, using appropriate tools, strategies, and algorithms
 -  Addition and Subtraction: B2.5 add and subtract fractions with like denominators, in various contexts
 -  Multiplication and Division: B2.6 represent and solve problems involving the multiplication of two-digit whole numbers by two-digit whole numbers using the area model and using algorithms, and make connections between the two methods
 -  Multiplication and Division: B2.7 represent and solve problems involving the division of three-digit whole numbers by two-digit whole numbers using the area model and using algorithms, and make connections between the two methods, while expressing any remainder appropriately
 -  Multiplication and Division: B2.8 multiply and divide one-digit whole numbers by unit fractions, using appropriate tools and drawings
 -  Multiplication and Division: B2.9 represent and create equivalent ratios and rates, using a variety of tools and models, in various contexts

 Planning Tool (3-4) ¹

7 Click a specific lesson

1 - 5 of 5 results found for Multiplication and Division B2.6 represent and solve problems... (Grade 5)

-  **Number: Readiness Task: Fluency with Multiplication and Division**
Multiplicative relationships are foundational to many number concepts such as fractions, percents, ratios, and rates. Many of our everyday decisions are based on additive or multiplicative thinking. It is important for students to recognize the difference...
TAGS: *Grade 5* *Readiness Task* *Number-4*  FAVOURITE
-   **Fluency with Multiplication and Division: Using Estimation for Multiplication and Division**
In pairs, students estimate a product and a quotient to solve story problems related to the cost of chess sets and the number of bags of cookies. To consolidate, students share their estimation strategies for multiplying and dividing, and discuss when it...
TAGS: *Grade 5* *Activity* *Number-20*  FAVOURITE
-   **Fluency with Multiplication and Division: Strategies for Multiplying Larger Numbers**
To start, students use Base Ten Blocks to model the product of a 3-digit number by a 1-digit number, then review the use of the distributive property to determine the product. In pairs, students determine 5 products from different multiplication statements...
TAGS: *Grade 5* *Activity* *Number-21*  FAVOURITE
-   **Fluency with Multiplication and Division: Multiplying Whole Numbers**
In pairs, students discuss two different models (using an array and Base Ten Blocks) for solving a 2-digit by 2-digit multiplication story problem about eggs, then decide which model is correct. To consolidate, students compare and contrast the two models...
TAGS: *Grade 5* *Activity* *Number-22*  FAVOURITE
-  **Fluency with Multiplication and Division : Consolidation**
Depending on the requirements of your curriculum, pairs of students solve multiplication and division problems involving sharing frozen treats equally among teams, and a ratio problem related to the different flavours of treats. To consolidate, students...
 FAVOURITE