

Office of Teaching and Learning

Numeracy Professional Learning

The Louisiana Department of Education is developing a full suite of Numeracy Professional Learning courses for K-12 math teachers. This includes the training required by [Act 260 \(2023\)](#).

Timeline

Act 260 requires all grade 4-8 mathematics teachers to complete an approved professional learning course that focuses on numeracy skills instruction by August 1, 2025. The course must include the following topics:

- vertical alignment of mathematical concepts
- blending of concepts
- strategies
- problem-solving
- dispositions

The Act 260 course and the optional courses for grades K-3 and high school math teachers will be released according to the following timeline.



UPDATED Release Schedule:

- The Leadership course is **LIVE** (09051991). This course was developed for school and system leaders to support implementation. Three leadership modules in this course provide guidance for scheduling, identifying the transfer of learning, reporting progress, and more. Module Overviews

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are embedded for each module of each course.

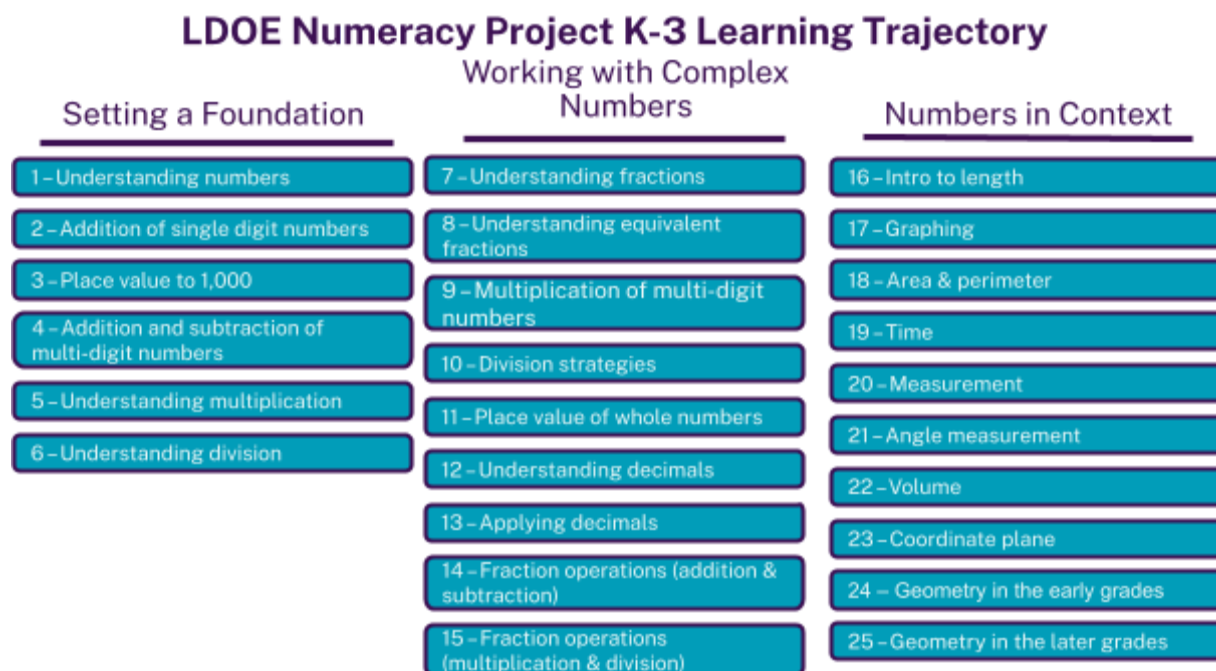
- Grades 4-8 Course modules 1-10 will be **LIVE by July 1, 2024**.
 - [Act 260 system contacts](#) will receive specific course codes **by June 21, 2024**.
 - System lead contacts will share these course codes with teachers for enrollment in the assigned Canopy Course. Please contact STEM@la.gov with any questions.
- Grades K-3 and high school courses modules 1-10 will be **LIVE by July 15, 2024**.
- Full courses will be available **by September 1, 2024**.

Scheduling Guidance

System leaders must plan structures and time with 2024-2025 school calendars for teachers to complete the required 50 hours of training.

Course Content and Design

All courses, both required and optional, will follow a similar design, structure, and length. Each course consists of 25 modules. Each module is planned for approximately two hours of time. Modules include learning experiences and application tasks to support teachers in building the breadth of understanding of the math students experience as they progress through the grades, including the strategies and models students engage with at each level. Required and optional courses intentionally overlap so that teachers can access the training appropriate to currently assigned roles, but also so that as teaching assignments change, teachers will have experienced some of the required training.



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LDOE Numeracy Professional Learning 4–8

Foundational Numeracy

- 1 - Understanding Fractions
- 2 - Multiplication of Multi-Digit Numbers
- 3 - Division Strategies
- 4 - Place Value of Whole Numbers
- 5 - Understanding Decimals
- 6 - Applying Decimals
- 7 - Fraction Operations (Addition & Subtraction)
- 8 - Fraction Operations (Multiplication & Division)

Numeracy in Context

- 9 - Time
- 10 - Measurement
- 11 - Angle Measurement
- 12 - Volume
- 13 - Geometry in Third, Fourth, and Fifth Grade

Advancing in Numeracy

- 14 - Applying Ratio and Proportional Relationships
- 15 - Use Properties of Operations to Generate Equivalent Expressions
- 16 - Reason About and Solve One-Variable Equations
- 17 - Reason About and Solve One-Variable Equations
- 18 - Strategies for Adding and Subtracting Rational Numbers
- 19 - Strategies for Adding and Subtracting Rational Numbers
- 20 - Strategies for Multiplying and Dividing Rational Numbers
- 21 - Strategies for Multiplying and Dividing Rational Numbers

Functions

- 22 - Strategies to Compare Properties of Functions
- 23 - Use Functions to Model Relationships Between Quantities
- 24 - Use Functions to Model Relationships Between Quantities
- 25 - Apply Pythagorean Theorem

LDOE High School (A1, G, A2) Learning Trajectory

Algebra 1 Concepts

- 1 - Structure in Expressions
- 2 - Linear Equations and Inequalities
- 3 - Systems of Linear Equations and Inequalities
- 4 - A Formal Understanding of a Function
- 5 - Exponential Functions (Part 1)
- 6 - Quadratic Functions and Equations

Probability & Statistics Algebra 1 & Geometry

- 7 - One-Variable Statistics
- 8 - Bivariate Statistics
- 9 - Conditional Probability

Geometry Concepts

- 10 - Congruence (Rigid Motions)
- 11 - Similarity
- 12 - Right Triangle Trigonometry
- 13 - Measurement and Solid Geometry
- 14 - Circles

Crossover Topics From Middle School

- Crossover 1 - Ratio and Proportional Relationships
- Crossover 2 - Strategies to Compare Properties of Functions
- Crossover 3 - Applying Pythagorean Theorem

Algebra 2 Concepts

- 15 - Complex Numbers
- 16 - Exponential Functions (Part 2)
- 17 - Rational Expressions
- 18 - Logarithms
- 19 - Trigonometry Functions
- 20 - Transformations (All Functions)

Statistics From Algebra 2

- 21 - Interpreting Categorical and Quantitative Data
- 22 - Inferences From Statistics

Preparing to Access the Courses

The [Canopy Professional Learning Platform](#) will be released for all school system employees at no cost to the school system.

Superintendents must opt-in through EdLink Security to grant all classroom teachers a role in Canopy. Once this step is completed, PK-12 Public School Teachers and Staff should follow the steps below to [create an EdLink Security account](#).

- Step 1: [Create MyLa Credentials](#)
 - Please see this [document](#) for any MyLa account concerns and troubleshooting.
- Step 2: [Create EdLink User Profile](#) (**Teachers of private institutions will NOT create this credential.**)

You can log into [Canopy](#) by signing in through the [EdLink Security](#) Application Menu with your MyLa user credentials 24 hours after creating your account.

Act 260 System Contacts will be provided with course codes specific to their systems for accurate enrollment and reporting purposes.

Guidance and framing, including frequently asked questions, is available on the [Math page](#).

Please reach out to STEM@la.gov with any questions.