



# CSDE Model Curricula Quick Start Guide

## Algebra 1 Connecticut's public digital library of open educational resources by and for teachers

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This model Algebra 1 curriculum was developed by Connecticut teachers and students to support high-quality mathematics instruction across the state. It emphasizes problem solving, mathematical reasoning, real-world applications, effective use of technology, and multiple representations. To enhance accessibility and streamline access alongside other Connecticut model curricula, this resource is now available through [GoOpen CT](#).

## Key Components

### Course Description:

Overview of the entire course

### Course Alignments:

Standards connected to the course

#### Education Standards

##### Align

1 2 3 4 5

CCSS.Math.Content.HSF-BF.A.2  
Common Core State Standards  
Mathematics  
Grades 9-12

Learning Domain: Functions: Building Functions  
Standard: Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms.\*

### Unit:

The titles and suggested sequence of investigations for each unit.

### Unit Overview:

Lesson 0 provides the full unit layout when selected.

### Investigations:

Offer a sequence of connected activities that engage students in exploring key concepts.

### Resource Library:

Resources included include tips for teachers to implement the curricula, SAT alignment guide, and student materials.

## Frequently Asked Questions:

**Q: Can I download the unit?**

**A:** Yes. Select the cloud icon with the arrow pointing down on the right-hand side of the screen to generate a PDF version of the unit. Downloading the unit will not give the specific investigations or student materials must go into each investigation.

**Q: Can I print the unit?**

**A:** Yes. To print the unit, you will first need to download it. Another option is to print the course and a zip file of PDFs with live links will be created, allowing you to choose what to print.

**Q: Is there a help center if I want to learn more?**

**A:** Yes. When on the GoOpen CT homepage there are four headings along the top. Select the "Learn More" to find the [HELP CENTER](#).

**Q: Is professional learning available?**

**A:** Yes. Professional learning presentations and materials are available in the resource library. These resources are best used by coaches, department chairs, or math curriculum specialists to facilitate professional learning on the units of the model Algebra I curriculum.

**Q: What has changed?**

**A:** The CSDE model Algebra I curriculum has been made available in GoOpen CT for ease of access for all Connecticut districts. In addition, the curriculum has been updated to ensure that the curriculum aligns with the CSDE's K-12 Universal Curricula Design Principles including examples and explanations of the standards, interdisciplinary connections, and attention to diverse populations. All embedded links have been updated as well.

**Q: Can I modify the unit?**

**A:** Users cannot modify in CSDE designed Courses and Units published in GoOpen CT. Users should consult local curricular leaders to understand the district curriculum development process before making decision to modify or adapt. The process for implementation of the CSDE model curricula is a local decision.

**Q: Can I teach the units out of order?**

**A:** Sequencing of units can be done at the local level. It is critical to ensure that the progression of mathematics is maintained if units are moved.

**Q: What if I find an error in the math content?**

**A:** Please email math education consultant Jennifer Michalek at [Jennifer.Michalek@ct.gov](mailto:Jennifer.Michalek@ct.gov).

**Q: Do I have to use all the assessments provided?**

**A:** No. The assessments included in the model curriculum provide an opportunity for educators to assess students understanding, both in formative and summative ways. The assessments administered is a local decision.

**Q: Do I have to do all the Application for Learning Activities?**

**A:** No. This is a model curriculum. The tasks provided are rigorous aligned tasks that districts may want to include as they implement the units.

**Q: What if I don't have time to complete all of the units?**

**A:** The course is aligned to grade level standards through the completion of all units. If all units are not completed, grade level standards may be compromised, therefore, local curriculum leaders should assist in developing an implementation plan to ensure that all students have access to grade level standards.