



CSDE Model Curricula Model Units Connected to Defined Learning Performance Tasks

The CSDE maintains high expectations for teaching and learning, grounded in the belief that experiences providing opportunities to develop, apply, and demonstrate knowledge and skills are essential. The vision for this work is to ensure all students have access to multiple and flexible pathways for learning that will prepare them for college, career, and civic life. CSDE and Defined Learning have partnered to curate a list of real-world, project-based learning tasks aligned to the Connecticut Model Math units for grades 6-8.

Below you will find the unit names by grade level and the aligned Defined Learning tasks in *italics*.

Grade 6

- **Operating with Positive Rational Numbers Unit**
 - › Decimals
 - *Campaign Manager*
 - *Scoutmaster*
 - › Fractions
 - *Community Garden Coordinator*
 - *Scoutmaster*
- **Understanding Positive and Negative Numbers Unit**
 - › *Park Planner*
 - › *Ice Cream Maker*
- **Applications of Geometry Unit**
 - › *Graphic Artist*
 - › *Printing Company Owner*
- **Ratios and Proportions Unit**
 - › *Community Garden Coordinator*
- **Algebraic Reasoning Unit**
 - › *Paramedic*
 - › *Artificial Island Real Estate*
 - › *Food Truck Entrepreneur*
- **Statistics and Distributions Unit**
 - › *Dietician*
 - › *Career Counselor*
 - › *Research Consultant*
 - › *Paramedic*

Grade 7

- **Operating with Rational Numbers (Addition and Subtraction) Unit**
 - › Fractions and Decimals
 - *Baker*
 - *Local Development Planner*
 - › Integers
 - *Scuba Divemaster*
- **Operating with Rational Numbers (Multiplication and Division) Unit**
 - › Fractions and Decimals
 - *Baker*
 - *Local Development Planner*
 - › Integers
 - *Scuba Divemaster*
- **Two- and Three-Dimensional Geometry Unit**
 - › *Roof Truss Manufacturer*
 - › *Rain Barrel Manufacturer*
 - › *Architect - Tiny House*
 - › *Interior Designer – Socially Distance Classroom*
- **Proportional Reasoning Unit**
 - › *Advertising Manager – Facial Products*
 - › *Local Development Planner*
 - › *Energy Engineer – Net-Zero School*
- **Algebraic Reasoning II Unit**
 - › *Materials Engineer*
 - › *Designer – Aquatic Habitats*
 - › *Game Designer – County Fair*
- **Probability Unit**
 - › *Game Designer – County Fair (different products from unit 5)*
 - › *Actuary – Hurricane Relief*

Grade 8

- **Real Numbers Unit**
 - › *Automotive Finance Manager*
 - › *Math Teacher*
- **Pythagorean Theorem Unit**
 - › *Smartphone Designer*
 - › *Food Activist — Eco-Friendly Kits*
- **Congruence and Similarity Unit**
 - › *Tattoo Artist*
- **Linear Relationships Unit**
 - › *Community Wellness Coach*
 - › *Aircraft Designer*
- **Systems of Linear Relationships Unit**
 - › *Virtual Store Owner*
 - › *LED Streetlights*
- **Volume Unit**
 - › *Aquarium Designer*
- **Patterns in Data Unit**
 - › *Truck Fleet Manager*
 - › *Researcher: Sampling*
 - › *Cybersecurity Analyst*