



ELEMENTS AND PROGRESSION OF MATH CURRICULUM



IDEA Public Schools

- ▶ **Strives to close the opportunity gap** between low-income, minority students and their peers by preparing students to successfully graduate college.
- ▶ **Enrolls approximately 85,000** students across four states.
- ▶ **Reaches 100%** college acceptance for 17 years.
- ▶ **Serves a racially and economically diverse** student population.



Math Curriculum

- ▶ A comprehensive, standards-aligned, educative math curriculum for grades 7–12 that incorporates vertically aligned computer science standards to **increase STEM readiness**.
- ▶ **Increased access to AP Computer Science Principles** with curriculum and professional development support.
- ▶ **Characteristics**
 - ▶ Aligns with **state standards** and AP standards.
 - ▶ Embeds teacher and leader content **booster training pathways**.
- ▶ **Integrates foundational computer science** concepts such as logic progressions and computational thinking.
- ▶ Includes exemplary **instructional practices** in the teacher's manual.
- ▶ Supports **teacher learning** within the context of the lessons.
- ▶ Provides linkages in **knowledge areas** within lessons.
- ▶ Includes **short scenarios or models** of practice as examples.

Curriculum Pathway to STEM Success



12th Grade
AP Statistics
AP Calculus AB

11th Grade
Pre-Calculus

10th Grade
Algebra II

9th Grade
Geometry

8th Grade
Algebra I

7th Grade
Pre-Algebra