

# Algebra, Functions, and Data Analysis

This course is designed for students who have completed Algebra 1 but need time to further develop algebraic concepts to ensure success in Algebra 2. Within the context of mathematical modeling and data analysis, students will study functions and their behaviors, inequalities, probability, experimental design, and analysis of data. Data will be generated by practical applications arising from science, business, and finance. Students will solve problems that require the formulation of linear, quadratic, or exponential equations or a system of equations.

**Credits** 1

**Grades**

10, 11, 12

**Course Designation**

Virtual Prince William (VPW)

**Schools**

Battlefield High School

Brentsville District High School

Colgan High School

Forest Park High School

Freedom High School

Gainesville High School

Gar-Field High School

Hylton High School

Osbourn Park High School

Patriot High School

Potomac High School

Unity Reed High School

Woodbridge High School

**Prerequisites**

[Algebra 1](#)

**Notes**

A student may not receive credit for this course after receiving credit for Algebra 2.