

## MATH COURSE FLOWCHART

All students must successfully complete 4 mathematics credits in order to meet graduation requirements. In addition, those students are required to score proficient or advanced on the Algebra I Keystone Exam as a state graduation requirement. Those that don't score proficient or advanced must meet statewide graduation requirements through one of four other pathways as part of Act 158. The Algebra I Keystone exam is given at the end of the Algebra I course(s) as indicated in the chart with an asterisk (\*).

Grade Level	Course Offerings
7th Grade	<b>REQUIRED COURSES</b>
	Advanced Math 7
	Math 7
	Fundamentals of Math 7
	<b>ROTATIONAL COURSE (9-week Course)</b>
	Math Applications
8th Grade	<b>REQUIRED COURSES</b>
	Pre-Algebra
	Fundamentals of Pre-Algebra
	Advanced Algebra I*
	<b>ROTATIONAL COURSE (9-week Course)</b>
	Math Applications
9th Grade	<b>REQUIRED COURSES</b>
	Honors Algebra II
	Algebra I*
	Fundamentals of Algebra IA

Grade Level	Course Offerings
10th Grade	<b>REQUIRED COURSES</b>
	Honors Pre-Calculus OR Geometry
	Algebra II
	Fundamentals of Algebra IB*
11th Grade	<b>RECOMMENDED COURSES</b>
	Calculus
	Statistics
	Honors Pre-Calculus
	AP Calculus AB
	AP Statistics
	Geometry
	Fundamentals of Geometry
Algebra II	
12th Grade	<b>REQUIRED COURSE</b>
	Personal Finance (Semester)
	Personal Finance (Year)
	<b>OPTIONAL CHOICES</b>
	Calculus
	Statistics
	Honors Pre-Calculus
	AP Calculus BC
	AP Calculus AB
	AP Statistics
Geometry	
Fundamentals of Geometry	
Algebra II	

COURSE WEIGHTS
AP (Advanced Placement) courses are weighted by a factor of 1.15
Honor Courses are weighted by a factor of 1.05

Course Prerequisites:
All students must successfully complete Algebra I, Algebra II, and Geometry before taking Honors or AP courses
Students must successfully complete AP Calculus AB before they can take AP Calculus BC