

## MATHEMATICS ACADEMIC SEQUENCE OF COURSES K-12

ELEMENTARY SCHOOL Grades K -6	MIDDLE SCHOOL		HIGH SCHOOL (AP)			
	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<b>Curriculum defined by:</b> <ul style="list-style-type: none"> <li>Program of Studies (POS) of Fairfax County Public Schools</li> <li>Standards of Learning (SOL) of Commonwealth of Virginia</li> </ul> <b>Content includes:</b> <ul style="list-style-type: none"> <li>Numerical Relationships</li> <li>Operations</li> <li>Measurement</li> <li>Geometry</li> <li>Data Analysis, Statistics and Probability</li> <li>Patterns, Functions, and Algebra</li> </ul> <b>Advanced Math Curriculum</b>	**Algebra 1 Honors	Geometry Honors	Algebra 2 Honors <i>or</i> Algebra 2	*Precalculus Honors <i>or</i> *Precalculus	AP Calculus BC <i>or</i> AP Calculus AB	Multivariable Calculus <i>or</i> AP Elective
	Mathematics 7 Honors <i>or</i> Mathematics 7	Algebra 1 Honors <i>or</i> Algebra 1	Geometry Honors <i>or</i> Geometry	Algebra 2 Honors <i>or</i> Algebra 2	*Precalculus Honors <i>or</i> *Precalculus	AP Calculus BC <i>or</i> AP Calculus AB
	Mathematics 7	Mathematics 8	Algebra 1	Geometry <i>or</i> Geometry Honors	Algebra 2 <i>or</i> Algebra 2 Honors	*Precalculus <i>or</i> *Precalculus Honors

\*\*Students enrolling in Algebra 1 Honors in 7<sup>th</sup> grade must meet placement criteria.

\*Precalculus includes all the topics of trigonometry

- Multivariable Calculus is a one semester course followed by Matrix Algebra
- Mathematics Electives include: Trigonometry, Probability and Statistics and or Discrete Mathematics – Semester Courses. AP Statistics, AP Computer Science, IB Computer Science.