



### 3 – 12 Math Courses Description Guide

3 – 8 <sup>th</sup> Grade Core Math	<p>90 minutes (Grades 3-6) or at least 7 50 minute periods per week (Grades 7-8) daily of math instruction</p> <ul style="list-style-type: none"><li>• Eureka Math</li></ul> <p>Responsive Math</p> <p>Students engage in authentic experiences learning about numbers and how they work by way of investigation with the use of manipulatives and sharing their learning by engaging in robust discussions. Students share their thinking about how to solve problems and learn from other students in the process. Students engage in fluency routines, high-quality tasks, problem sets, class discussions, and models to explore mathematical concepts and skills. Students solidify their learning through extended application, practice of the mathematics and a lesson debrief.</p>
5 <sup>th</sup> – 8 <sup>th</sup> Grade Foundations Math	<p>90 minutes (Grades 5-6) or at least 7 50 minute periods per week (Grades 7-8) daily of math instruction</p> <ul style="list-style-type: none"><li>• Foundations Eureka Math</li><li>• Foundations Math Skills</li></ul> <p>Based on previous math performance, select students are identified that could benefit the most from this Foundations Math course pathway. Students learn grade-level content (along with refreshers from topics from prior-grades), by engaging in high-quality tasks, problem sets, class discussions, mathematical models, and exploratory challenges to explore mathematical concepts and skills. Ongoing facilitated discussions offer students the opportunity to learn from their peers' thinking. Students solidify their learning through extended application, practice of the mathematics and the lesson closing. This course is designed to allow students to move at a more gradual pace, prioritizing major work of the grade standards. Foundations Math skills provides an opportunity for students to learn and practice foundational skills from prior grades that are aligned to and critical for their success in the major work of the grade standards. Students learn from their peers' thinking through a facilitated responsive homework discussion and solidify their learning through an extended reinforcement of skills via fluency routines and problem set practice.</p>
Pre-Algebra Algebra Algebra 1	<p>50 minutes of daily math instruction for at least 7 periods per week</p> <ul style="list-style-type: none"><li>• Agile Mind Intensified Algebra</li></ul> <p>Agile Mind is a Common-core aligned curriculum that balances procedural and conceptual understanding to ensure that students are actively preparing for advanced study in mathematics. Students engage in real-world application opportunities to build the critical thinking skills needed for post-secondary success. Intensified Algebra ensure that students are provided a comprehensive research-based intervention to address unfinished learning while simultaneously engaging with grade-level content in preparation for post-secondary readiness.</p>
Geometry Algebra 2 Pre-Calculus	<p>50 minutes of daily math instruction</p> <p>Students engage with Common Core-aligned content through College Preparatory Mathematics, a research-based curriculum. Students work collaboratively to investigate and make sense of a new math concept or deepen understanding of a revisited concept, including applications. The teacher serves as a facilitator who solidifies learning through questioning and whole class discussion.</p>