

## 6<sup>th</sup> Grade Advanced Math Offerings

	Pre-AP Math	Compacted Math
Overview	<p>The goal of the Pre-AP programs is for students to be prepared to take AP Math in high school. The Pre-AP program works to build deep, lasting, meaningful understanding of math through enhanced problem solving and application while accelerating instruction to prepare students for Calculus in 12<sup>th</sup> grade. 6<sup>th</sup> grade Pre-AP math students are on a path that will allow them to complete all college preparation math courses. GT students choosing the Pre-AP path are served in middle school by placement in sections with other GT students and with GT trained teachers to provide support for their needs</p>	<p>Compacted math is designed to meet the needs of a small group of students who are significantly advanced in mathematics in relation to their peers. The philosophy is that the identified students will benefit from more rapid acceleration. Compacted math covers 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> grade math in one year. Compacted math also incorporates Pre-AP strategies.</p>
Target audience	<p>Mathematically talented and motivated students. Pre-AP maintains an open enrollment philosophy allowing students to take on the challenge. Successful students have typically performed a year above national norms on MAP assessments.</p>	<p>Students consistently (over the last three administrations) performing at the 98<sup>th</sup> local MISD percentile on MAP.</p>
Enrollment	<p>Students work with their teacher, counselor and parents to decide if they wish to enroll in Pre-AP. Pre-AP is an advanced math program with a goal of preparing students for AP level coursework in high school. As such, Pre-AP is geared towards motivated, high achieving math students.</p>	<p>Students must qualify for compacted math based on MAP scores. Students significantly and consistently outperforming their peer group can benefit from more rapid acceleration and are invited to enroll.</p>
Senior Year	<p>The 6<sup>th</sup> grade Pre-AP path leads to AP Calculus in the senior year. This provides for completing all college preparation math courses and for taking Calculus in close proximity to entering college.</p>	<p>Compacted math students are on a path to take Calculus as a junior. This allows flexibility the senior year. Students are encouraged to continue their study of math in their senior year. Options include courses available in the Academic Planning Guide (APG) as well as college level courses.</p>