

# Beecher Road School Pre-Algebra Eligibility Criteria

Revised December 8, 2022, shared 1.13.23

Aligned with Amity Middle School

**Important:** The criteria established for Beecher Road School students to take Pre-Algebra in Grade 6 is aligned to the math placement criteria at Amity Middle School. A reference document for Amity Middle School math placement is included.

Beecher Road School students who take Pre-Algebra in Grade 6 may be eligible to enroll in Algebra in Grade 7 if all the math placement criteria established by Amity is successfully met.

It is important to understand that Grade 6 students who take Pre-Algebra never take Grade 6 math. The course is Pre-Algebra and not a blend of Grade 6 math standards and Pre-Algebra. Thus the criteria for placement is very high.

<b>Beecher Road School Grade 6 Pre-Algebra Criteria</b>		
<b>Benchmark Assessment</b>	5 <sup>th</sup> Grade Fall, Winter and Spring Math STAR – at or above the 97 <sup>th</sup> percentile	One-score exception: A Grade 5 student must receive at least 2 of the 3 math STAR scores at/above 97 <sup>th</sup> percentile. If a student receives more than one Math STAR score below the 97 <sup>th</sup> percentile the student is not eligible to take the BRS Grade 5 district math assessment.
Any Grade 5 student who has at least 2 STAR math scores at/above the 97 <sup>th</sup> percentile is eligible to move forward in the Grade 6 pre-algebra placement process and will then take the Grade 5 district math assessment		
<b>District Math Assessment</b>  <b>*Based on primarily Grade 6 mathematics standards</b>	A score of 80% or higher	The district math assessment will occur near the end of Grade 5, after the third Math STAR assessment, to only those Grade 5 students who have a minimum of two Math STAR scores at or above the 97 <sup>th</sup> percentile.
At the end of Grade 6, students must have at least 5 of the 6 STAR math data points from Grades 5&6 at or above the 97 <sup>th</sup> percentile in order to proceed for consideration at AMITY for Algebra 1.		

## Amity Middle School Math Placement Criteria

In order to be eligible to take the following courses as a seventh grader at Amity Middle School, students must meet the criteria below:

	<b>Grade 7 Pre-Algebra</b>	<b>Algebra 1</b>
<b>Benchmark Assessment Criteria</b>	<b>6<sup>th</sup> Grade Math STAR</b> Scale Scores (SS) - <b>at least an 83<sup>rd</sup> percentile</b> on Winter and Spring Assessments	<b>At least a 97<sup>th</sup> percentile</b> on all STAR assessments in grades 5 and 6 (with one score exception)
<b>Class Performance</b>	Meets at least 4 out of 5 classroom performance criteria as rated by 6 <sup>th</sup> grade teachers	Meets all 5 classroom performance criteria as rated by 6 <sup>th</sup> grade teachers
<b>Mathematical Claims Rubric (SBA Claims 1-4)</b>	Must “meet” or “exceed” Mathematical Claims as rated by 6 <sup>th</sup> grade teachers	Must “exceed” Mathematical Claims as rated by 6 <sup>th</sup> grade teachers
<b>Pre-Algebra Final</b>	N/A	<b>Must take</b> the Pre-Algebra Final Exam and achieve a grade of B+ or higher  *this assessment is scheduled by Amity Middle School

## **Amity Middle School Math Placement Criteria (cont.)**

**Beecher Road School Grade 6 teachers complete an information sheet for students entering grade 7 in Amity based on the following:**

### **Class Performance**

- Outstanding math achievement (>85% on summative assessments)
- Completes homework on time with attention to detail and organization
- Independent learner, perseveres toward mastery
- Developmentally mature, thinks abstractly, makes connections
- Ability to make relevant applications of new concepts

### **Smarter Balanced Assessment Claims**

Claim 1: Concepts and Procedures

- Students can explain and apply mathematical concepts and precision and fluency.

Claim 2: Problem Solving

- Students can solve a range of complex well-posed problems in pure and applied mathematics, making productive use of knowledge and problem-solving strategies.

Claim 3: Communicating Reasoning

- Students can clearly and precisely construct viable arguments to support their own reasoning and to critique the reasoning of others.

Claim 4: Modeling and Data Analysis

- Students can analyze complex, real-world scenarios and can construct and use mathematical models to interpret and solve problems.