

WAMPUS ELEMENTARY SCHOOL

CRITERIA FOR THE MATH ADVANCED LEARNER PROGRAM

OVERVIEW

The Math Advanced Learners Program is designed for students who exceed the grade-level standards and exhibit readiness for challenges beyond the curricular expectations. Students display an interest in mathematics and a desire to grapple with new and challenging concepts.

CRITERIA

Revised October 2024

Students ready for advanced mathematics have consistently exceeded the grade-level standards as measured by various assessments. Students meet the following benchmarks for participation in the math advanced learner program:

1. NYS Test Mathematics Assessment: *Students score in the top 25% of level 4 on the NYS math assessment.*
 - This suggests a student is more than sufficient in meeting the grade-level standards.
2. In-class Assessments: *Students achieve mastery (95%+) on in-class end-of-unit assessments.*
 - This suggests a student has mastered the current grade-level content.
3. Mathematical Dispositions: *These indicate that a student uses various behaviors and strategies of strong mathematical thinkers. (See the Mathematical Dispositions below.)*

Item #4 is considered if the criteria in #1-3 are met.

4. Renaissance Star Math Assessment:
Students achieve consistently at the 95th percentile.
 - *This suggests a student has engaged in and mastered above grade-level standards on this adaptive assessment (Note: An adaptive assessment is one in which the item difficulty adjusts based on the student's correct or incorrect response.)*

WAMPUS ELEMENTARY SCHOOL

CRITERIA FOR THE MATH ADVANCED LEARNER PROGRAM

MATHEMATICAL DISPOSITIONS	
Pattern Seeking	Notice patterns and make generalizations.
Reasoning	Explain how and why an approach is used.
Solving Problems	Look for alternative solutions to problems.
Connections	Connect math concepts to real-world situations.
Communicating	Articulate ideas and concepts using words, symbols, pictures, and models.
Self-Directed Learning	Persevere when faced with challenges; demonstrate patience, persistence, and resilience.
Interest & Motivation	Exhibits interest, curiosity, and excitement about mathematics.

Sources: [Math4teaching](#); [math4life](#); [PLC guide](#); [Univ of Cambridge](#); [Cuoco & Goldenberg](#)