



Overview

The individual AVID Summer Bridge Programs are designed to strengthen students' math and science skills and are correlated to national math and science standards and skills. The programs use WICOR strategies to engage students in deep learning of discipline-specific concepts. The engaging, interactive lessons and collaborative activities incorporate strategies that provide support for English language learners. The curriculum for each program is planned for 60 hours of student contact time (15 units of 4 hours each).

<p>Math for 7th Grade</p>	<ul style="list-style-type: none"> • Program can be used to accelerate students from on-level 6th grade math to advanced 7th grade math or as an additional instruction/enrichment program prior to or after 7th grade math • Content focus areas include measurement (2-D figures), rational numbers (fractions, decimals, percentages), algebraic concepts (expressions, equations, multiple representations), coordinate graphing, inequalities, ratios, and proportions. • Results of an end-of-bridge exam provided by school district, state exam scores, and previous course grade averages can be used to determine placement in 7th grade math
<p>Algebra Readiness</p>	<ul style="list-style-type: none"> • Program can be used to accelerate students from on-level 7th grade math to 8th grade Algebra 1, or as an additional instruction/enrichment program prior to or after 8th grade math • Content focus areas include measurement (Pythagorean Theorem, surface area, volume), rational numbers (squares, square roots, negative numbers), algebraic concepts (solving equations, linear equations), multiple representations of functions, Results of an end-of-bridge exam provided by the school district, state exam scores, and previous course grade averages can be used to determine placement in 8th grade math or Algebra 1
<p>Mission Possible</p>	<ul style="list-style-type: none"> • Middle school science with primary focus on the 7th to 8th grade transition • Students virtually track an evil scientist, Dr. Vicious, around the world to prevent his development and release of a deadly microorganism • Scientific investigations in biology, chemistry, physics, environmental science, and math that relate to the geographic areas where Dr. Vicious travels • Engaging hands-on investigations to help develop critical thinking and scientific problem-solving skills and to have fun with science
<p>ProPhone and the Environment</p>	<ul style="list-style-type: none"> • Project-based learning integrating math and science and using inquiry-based activities and investigations in environmental science, biology, and math • Designed for students in the 8th to 9th grade or 9th to 10th grade transition • Project culminates in student presentations to an adult panel of judges • Focus areas include student investigations in experimental design and analysis, soil and water testing, topographical maps, biodiversity, population growth, data collection and mathematical analysis, critical thinking, and problem solving • Designed to be team-taught by biology or environmental science teacher and algebra teacher, or a teacher skilled in both content areas