The GEM Program is designed to accelerate students two years in mathematics. Since some students are already good technicians, they can follow rules and apply those rules to routine exercises. GEM students need to go one step further, analyzing non-routine problems and digging beneath the surface in order to see the beauty, elegance, and application of the mathematics being learned. Sixth grade GEM requires students to take a District Midterm and Final Exam, which account for 25% of their grade.

The GEM 7 program is designed to formalize and extend the mathematics that students learned in GEM 6. This course is designed to provide students with an in-depth level of instruction, an accelerated pace and a cooperative learning environment. Students must be able to solve practical problems, representing and analyzing the situation using symbols, graphs, tables or diagrams. The score a student earns on the Algebra 1 End-of-Course Exam will count as 30% of the Algebra 1 Honors course grade.

This course is designed for students that successfully has completed Algebra 1 Honors by eighth grade. Geometry is the study of logical reasoning. The fundamental purpose of the course is to study that points, lines, and planes are used as the building blocks of geometric figures, and as the basic models from which to reason. Emphasis is placed on formal proofs and problem-solving involving algebra skills. The score a student earns on the Geometry End-of-Course Exam will count as 30% of the Geometry Honors course grade.

Broward County Public Schools (BCPS) is pleased to partner with the Institute for Mathematics and Computer Science (IMACS) to offer the Elements of Mathematics: Foundations (EMF) curriculum to select students in the GEM program. The BCPS/EMF pilot program covers all of middle and high school math up to, but not including, Calculus, plus significantly more advanced mathematics, during 6th through 8th grades. A limited number of seats are available at the start of each academic year. For more information on this program and how your child may qualify, visit www.imacs.org/bcps.