

Georgia
Career and Technical Education Curriculum Matrix for Mathematics

The “✓” designations in the columns under each career pathway identify significant opportunities for academic standards-related instruction within the various career-technical programs. The absence of an “✓” should not, however, be interpreted as offering no opportunity for interdisciplinary instruction and teachers should make decisions based on their own instructional goals, best judgments and student interests.

Georgia High School Mathematics GHS GT Strands/Standards	National Essential Skills Study (NESS) Rankings	GHS GT QCC Version	Agriculture & Natural Resources				Architecture & Construction			Arts, AV Tech & Communications		
			Ag Production	Ag Services (Ag Business)	Ag Mechanics	Natural Resources	Architecture	Surveying & Drafting	Construction	Visual Arts & Design	Performing Arts	Communications
Strand 1												
Number and Computation												
Expresses numbers in equivalent and approximate forms and orders these forms, using appropriate tools such as calculators (includes fractions, decimals, percent; scientific notation; square and cube roots, and second and third powers of whole numbers; approximations of fractions, decimals, and percents.	M1 M16 M20 M35	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Recognizes, describes, and applies certain patterns for addition and multiplication.	M1 M16	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Selects and uses problem-solving strategies and computational tools (mental computation, calculator, estimation, paper and pencil) to solve simple problems involving career, consumer, and leisure applications; and evaluates reasonableness of results.	M1 M10	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Determines amounts of money including price, amount of change, discounts, sales prices, sales tax, interest, and best buy.	M1 M10	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Uses estimation strategies such as rounding, front-end estimation, clustering, grouping, adjusting, compensation, and reference point to predict computational results.	M1 M6 M10	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Uses estimation and approximation to check the reasonableness of computational results.	M1 M6	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓