Saxon Publishers *Advanced Mathematics, 2nd. Ed: An Incremental Development* © 1996
Correlation to
Georgia Quality Core Curriculum
Lesson Plan Format

Program Area: Advanced Math (Advanced Algebra & Trigonometry)

Adv. Math	Table of Contents	Objectives
Lesson 1	Geometry Review	1, 6, 9, 14, 27, 30
Lesson 2	More on Area • Cylinders and Prisms • Cones and Pyramids • Spheres	1, 6, 9, 27
Lesson 3	Pythangorean Theorem • Triangle Inequalities (1) • Similar Polygons • Similar Triangles	1, 6, 9, 27, 30
Lesson 4	Construction	1, 2, 6, 9, 27
Lesson 5	Exponents and Radicals • Complex Numbers • Areas of Similar Geometric Figures • Diagonals of Rectangular Solids	1, 2, 6, 9, 11, 21, 22, 27
Lesson 6	Fractional Equations • Radical Equations • Systems of Three Linear Equations	1, 6, 9, 21, 22, 27
Lesson 7	Inductive and Deductive Reasoning • Logic • The Contrapositive • Converse and Inverse	1, 2, 6, 9, 21, 22, 27
Lesson 8	Statements of Similarity • Proportional Segments • Angle Bisectors and Side Ratios	1, 6, 9, 21, 22, 27
Lesson 9	Congruent Figures • Proof Outlines	1, 6, 9, 21, 22, 27
Lesson 10	Equation of a Line • Rational Denominators • Completing the Square	1, 2, 6, 9, 21, 22, 27
Lesson 11	Circles • Properties of Circles • The Quadratic Formula	1, 2, 6, 9, 21, 22, 27, 30
Lesson 12	Angles and Diagonals in Polygons • Proof of the Chord-Tangent Theorem	1, 2, 6, 9, 21, 22, 27, 30