

## ANTHONY COPPIN SPECIFICS—

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#### PRECALCULUS

*Time: 5th Period, 3pm-4:30 pm*

Precalculus further develops the concepts of algebra 1 and trigonometry in preparation for calculus. Students will perform assigned homework and take quizzes and exams to evaluate progress.

The use of a calculator is allowed in class. A graphing calculator helps with graphing. Cooperative learning is utilized to enhance learning. An online grade book will be provided to keep students and parents informed of progress. The Socratic Method is used in class to lead students in understanding.

Prerequisite for this course is completion of algebra 2 including an introduction to trig. Topics include the following: review of algebra, equations, completing the square, review of trig, polar coordinates, solving nonlinear systems, decomposing functions, conic sections, periodic functions, graphing sinusoids, logarithms, the complex plane, matrices and determinants, binomial expansion, sequences and series, graphs of polynomial functions.

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#### **Required text:**

Saxon Advanced Mathematics, 2nd ed. • ISBN: 1-56577-039-0

Purchase used copies if possible.

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#### **Class Fees and Payment Options:**

Materials fee \$45

Monthly fee: \$60

#### **Instructor Contact Information:**

Anthony Coppin

#### **Phone:**

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#### **Email:**

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