

Norwood Public Schools

Curriculum Overview

Introduction to Algebra II 235

Description:

Intro to Algebra II extends the ideas from the Algebra I and Geometry courses. It is a year-long junior/senior course that is taught at the standard level. The aims and objectives of Intro to Algebra II are to continue the growth of the total concept of reasoning and mathematical knowledge in the mind of the student and to provide for the student a sound basis for the mathematics encountered in Algebra II. The major components of this course will help prepare students to continue their mathematics education at Norwood High School in order to become college and career ready. A variety of presentation and assessment techniques will be utilized. The major topics include: properties of exponents, equations and inequalities, systems of equations and inequalities, polynomials, geometry of lines and triangles, analysis and display of data.

Learning Experiences:

Students will experience learning through many formats in addition to routine classroom experiences. The variety of technology utilized includes the use of the ENO Board in conjunction with software programs such as Easiteach and Workspace.

Content:

Review of Rational Numbers

Chapter 2: Foundations of Algebra

Chapter 3: Equations and Inequalities

Chapter 5: Logic and Geometry

Chapter 6: Graphing Functions

Chapter 8: Systems of Equations and Inequalities

Chapter 9: Polynomials

Note: The course has been aligned to satisfy the requirements of the Common Core Standards for Mathematics and the order of topics covered may vary from the textbook. The curriculum map indicates the general timeline and sequencing.

Resources Used:

Glencoe Mathematics MathMatters 2, 2006, ISBN: 0-07-868176-6

Several mathematics software programs and websites.