Curriculum

MATH

Algebra II

myedspace.com

Meet Your Teacher

Hi! I am Eddie Kang

- Senior Math Teacher at MyEdSpace
- Pure Mathematics Major from UCLA
- 9 years teaching experience in high schools as well as colleges

@EddieDoesMath

About MyEdSpace:

20K+
students have taken our courses

500K+
learning hours completed

4.8/5
Trustpilot score from 2100+ reviews

4M+
followers across social platforms

What's Included?

- Personalized: choose the right level of content and teaching for you
- Award winning learning platform
- Live lessons each month with a world-class teacher
- Recordings so you never miss a live lesson (great when studying for exams too!)
- Exam style homework every week
- Step-by-step video solutions with expert tips and tricks
- Professionally designed study materials and workbooks

MES

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*Curriculum subject to change.

Course Structure

Module 1

1. Estimation & Order of Operations
2. Operations and Fractions
3. Solving Basic Equations
4. Solve Linear Inequalities
5. Absolute Value Function & Equations
6. Absolute Value Graphs & Inequalities

Module 2

1. Piecewise Functions
2. Systems of Equations Graphically
3. Systems of Equations using Elimination
4. Systems of Equations using Substitution
5. Quadratic Systems of Equations
6. Functions
7. Finding Linear Equations
8. Finding Midpoint and Slope

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Course Structure

Module 3

1. Forming and Solving Equations
2. Further Forming and Solving Equations
3. Function Notation and Inverse Functions
4. Roots, Turning Points, and Sketching Quadratics
5. Factoring and Solving Quadratics
6. Quadratics Forms
7. Introduction to Complex Numbers
8. Complex Number Operations

Module 4

1. Completing the Square
2. Completing the Square and the Quadratic Formula
3. Sketching Quadratics
4. Quadratics and Inequalities
5. Quadratic Systems of Equations and Inequalities
6. Rational Exponents

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Course Structure

Module 5

1. Exploring Radicals
2. Radical Functions and Equations
3. Simplifying Rational Expressions
4. Rational Expression Operations
5. Graphing Rational Functions
6. Simplifying Rational Equations

Module 6

1. Introduction to Polynomials
2. Operations with Polynomials
3. Polynomial Division
4. Expanding and Factoring with Monomials
5. Factoring Polynomials Part 1
6. Factoring Polynomials Part 2
7. Degree of a Polynomial
8. Zeros, Roots, and Intercepts

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Course Structure

Module 7

1. Extreme Points
2. End Behavior
3. Arithmetic Sequences
4. Geometric Sequences
5. Understanding and Interpreting Exponential Functions
6. Exponents and Euler's Number
7. Compound Interest and Depreciation
8. Logarithms

Module 8

1. Logarithmic Functions
2. Logarithmic Properties
3. Exponential Equations
4. Solving with Logarithms and Exponents
5. Compound Interest and Depreciation
6. Conic Sections: Parabolas
7. Conic Sections: Ellipses and Circles
8. Conic Sections: Hyperbolas

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Course Structure

Module 9

1. Introduction to Matrices
2. Inverse and Determinant of a Matrix
3. Mastering Systems of Equations
4. Mastering Polynomials
5. Mastering Quadratics
6. Mastering Exponents & Logarithms
7. Mastering Special Right Triangles
8. Mastering Trigonometry

Module 10

1. Mastering the Unit Circle
2. Mastering Rates of Change
3. Rates of Change in Linear and Quadratic Functions
4. Periodic Phenomena
5. Sine and Cosine Function Values
6. Sine and Cosine Function Graphs
7. Sinusoidal Functions
8. The Tangent Function

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