Curriculum

MATH

Algebra I

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

myedspace.com

*Curriculum subject to change.

Course Structure

Module 1

1. Adding, Subtracting, Multiplying, Dividing Fractions
2. Order of Operations
3. Introduction to Algebra
4. Forming Algebraic Expressions and Substitution
5. Forming and Solving Equations
6. Further Forming and Solving Equations

Module 2

1. Re-arranging Formulas
2. Re-Arranging Difficult Formulas
3. One-Step & Two-Step Equations
4. Multi-Step Equations
5. Plotting Points + Lines
6. Finding Midpoint and Slope Between Coordinates
7. Linear Sequences
8. More Linear Sequences

*Curriculum subject to change.

Course Structure

Module 3

1. Finding the Equation of a Straight Line
2. Point-Slope Form
3. Parallel & Perpendicular Lines
4. One-Step Inequalities
5. Two-Step Inequalities
6. Multi-Step Inequalities
7. Compound Inequalities
8. Solving Linear Inequalities

Module 4

1. Writing Linear Inequalities
2. Systems of Equations Graphically
3. Systems of Equations by Elimination
4. Systems of Equations by Substitution
5. Systems of Inequalities
6. Exponential Properties

*Curriculum subject to change.

Course Structure

Module 5

1. Radicals
2. Operations with Radicals
3. Rational Exponents
4. Functions
5. Function Notation
6. Interpret and Model Functions

Module 6

1. Operations on Functions
2. Composite Functions
3. Inverse Functions
4. Arithmetic Sequences
5. Geometric Progressions and Fibonacci Sequences
6. Recursive Formulas and Mixed Sequences
7. Exponential Growth and Decay
8. Linear vs. Exponential Functions

*Curriculum subject to change.

Course Structure

Module 7

1. Absolute Value and Step Functions
2. Transformations of Functions
3. Introduction to Polynomials
4. Add, Subtract, and Multiply Polynomials
5. Factor Polynomials
6. Factoring Quadratics
7. Standard Form and Vertex Form
8. Solving Quadratics or Polynomials

Module 8

1. Solving Quadratics by Factoring
2. More Solving with Quadratics
3. Roots, Turning Points and Sketching Quadratics
4. Completing the Square and the Quadratic Formula
5. Pythagorean Theorem
6. Special Right Triangles
7. Pythagorean Triples
8. Right Rectangular Prisms & Cylinders

*Curriculum subject to change.

Course Structure

Module 9

1. Introduction to Probability
2. Experimental and Theoretical Probability
3. Two-Way Tables
4. Scatterplots
5. Venn Diagrams and Probability
6. Histograms
7. Increasing and Decreasing by a Percentage
8. Percentage Change and Reverse Percentages

Module 10

1. More Reverse Percentages
2. Compound Interest and Depreciation
3. Compound Measures
4. Ratio Similar Shapes
5. Angle Rules
6. Interior and Exterior Angles
7. Introduction to Matrices

*Curriculum subject to change.