Curriculum

MATH

Pre-Algebra

myedspace.com

Meet Your Teacher

Hi! I am Adam Gilbert

- Brown University BSc in Geophysics & Seismology
- 7+ years of teaching experience
- Fully licensed and background checked

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

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*Curriculum subject to change.

Course Structure

Module 1

1. Place Value, Ordering Numbers, and Reading Scales
2. Adding, Subtracting and Multiplying with Integers and Decimals
3. Dividing with Integers and Decimals
4. Rounding Numbers (Nearest Whole, Decimal & Significant Figures)
5. Estimation
6. Introduction to Ratios

Module 2

1. Simplifying Fractions
2. What are Percentages?
3. Fractions, Decimals, and Percentage Conversions
4. GCF and LCM
5. Multiplying & Dividing Fractions
6. Fractions of Amounts & Negative Numbers
7. Introduction to Exponential Properties
8. Radicals

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Course Structure

Module 3

1. Simplify Algebraic Expressions
2. Equivalent Expressions
3. Order of Operations
4. Simplify Numerical Expressions
5. Solve Problems with Rational Numbers
6. Solving and Re-Arranging Equations
7. Introduction to Proportions
8. Solving Basic Equations and Inequalities (Flowcharts)

Module 4

1. Finding Intercepts of Linear Equations
2. Writing Equations
3. Multi-Step Equations
4. Introduction to Inequalities
5. Writing and Graphing Inequalities
6. Algebraic Inequalities

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Course Structure

Module 5

1. Multi-Step Inequalities
2. Introduction to Functions
3. Analyzing Linear Functions
4. Function Representation
5. Introduction to Systems of Equations
6. Solving Systems of Equations

Module 6

1. Plotting Points and Lines
2. Solving Problems with Graphing
3. Pythagorean Theorem
4. Applications of Pythagorean Theorem
5. Ratios, Percents, and Decimals
6. Proportionality
7. Comparing Proportional Relationships
8. Percentages and Money

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Course Structure

Module 7

1. Percent Change and Error
2. Compound Interest and Depreciation
3. Transversals
4. Translations and Reflections on a Coordinate Plane
5. Averages and Range for Discrete Data
6. Introduction to Probability
7. Graphs, Charts, & Trends
8. Histograms

Module 8

1. Sampling
2. Bias
3. Distributions
4. Central Tendency
5. Variability
6. Comparing Data Sets
7. Two-Way Tables
8. Angle Rules

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Course Structure

Module 9

1. Solving Problems with Angles
2. Triangles
3. Interior and Exterior Angles of a Triangle
4. Similar Shapes
5. Congruent Shapes
6. Area and Perimeter on the Coordinate Plane
7. Circles
8. Surface Area of Prisms and Cylinders

Module 10

1. Volume of Prisms and Cylinders
2. Pyramids and Cones
3. Mastering Solving Equations
4. Mastering Operations and Fractions
5. Mastering Functions
6. Mastering Distances and Ratios
7. Mastering the Pythagorean Theorem
8. Mastering Area and Perimeter

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