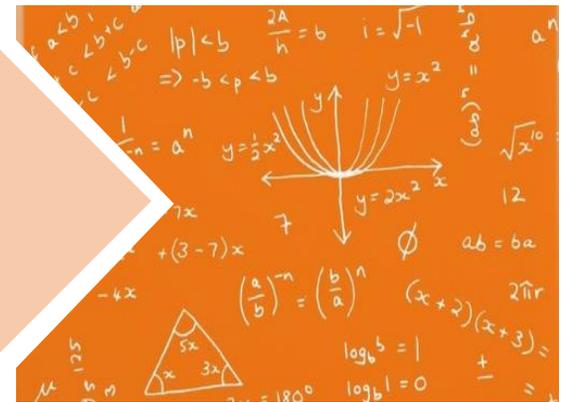


Algebra 1 EOC Prep Bootcamp

Securing Opportunities for Academic Recovery **(S.O.A.R)**



How do I access Math Nation?

1. Login to your Student Portal

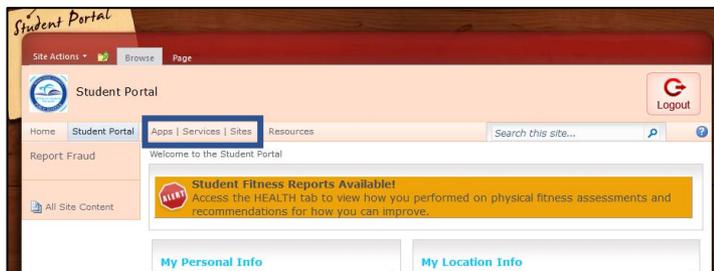
<http://www.dadeschools.net/students.asp>



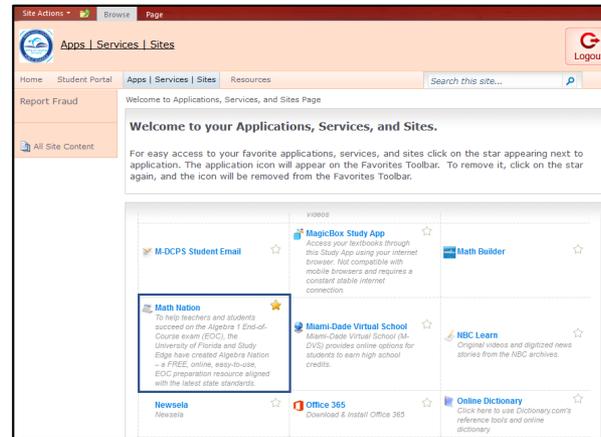
What do you need before logging in...

User name type: student ID

2. Click on **Apps | Services | Sites**

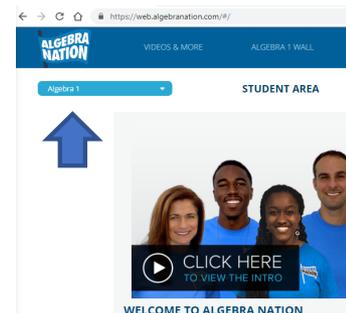


3. Select the **Math Nation** tile.



Math Nation
To help teachers and students succeed on the Algebra 1 End-of-Course exam (EOC), the University of Florida and Study Edge have created Algebra Nation – a FREE, online, easy-to-use, EOC preparation resource aligned with the latest state standards.

4. Once you are in **Math Nation**, select **Algebra 1**



5. Go to **Videos and More**



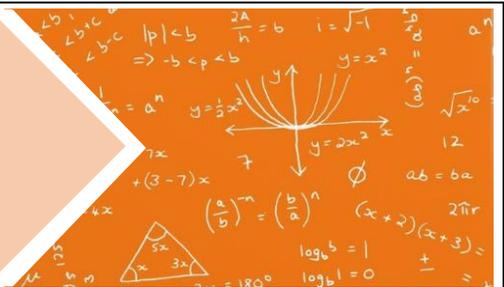
6. Go to the section indicated in your **Student Self-paced Calendar** and watch the selected videos.
As you watch the videos, remember to take notes to get ready for the **Test Yourself!** at the end of each section.



Algebra 1 EOC Prep

Securing Opportunities for Academic Recovery (S.O.A.R)

Six Week Student Self-Paced Calendar



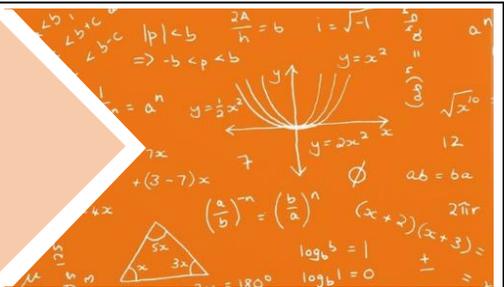
Monday	Tuesday	Wednesday	Thursday	Friday
Section 1: Expressions			Section 2: Equations and Inequalities	
Day 1 Videos: Topic 1: Using Expressions to Represent Real-World Situations Topic 2: Understanding Polynomial Expressions Topic 3: Algebraic Expressions Using the Distributive Property	Day 2 Videos: Topic 4: Algebraic Expressions Using the Commutative and Associative Properties Topic 5: Properties of Exponents Topic 6: Radical Expressions and Expressions with Rational Exponents	Day 3 Videos: Topic 7: Adding Expressions with Radicals and Rational Exponents Topic 8: More Operations with Radicals and Rational Exponents Topic 9: Operations with Rational and Irrational Numbers	Day 4 Videos: Topic 1: Equations: True or False? Topic 2: Identifying Properties When Solving Equations Topic 3: Solving Equations	Day 5 Videos: Topic 4: Solving Equations Using the Zero Product Property Topic 5: Solving Inequalities – Part 1 Topic 6: Solving Inequalities – Part 2
Section 2: Equations and Inequalities	Section 3: Introduction to Functions		Section 4: Linear Equations, Functions, and Inequalities	
Day 6 Videos: Topic 7: Solving Compound Inequalities Topic 9: Solution Sets to Equations with Two Variables	Day 7 Videos: Topic 1: Input and Output Values Topic 2: Representing, Naming, and Evaluating Functions Topic 3: Adding and Subtracting Functions	Day 8 Videos: Topic 7: Key Features of Graphs of Functions – Part 1 Topic 8: Key Features of Graphs of Functions – Part 2 Topic 9: Average Rate of Change Over an Interval Topic 10: Transformations of Functions	Day 9 Videos: Topic 2: Rate of Change of Linear Functions Topic 3: Interpreting Rate of Change and y-intercept in a Real-World Context – Part 1 Topic 4: Interpreting Rate of Change and y-intercept in a Real-World Context – Part 2	Day 10 Videos: Topic 5: Introduction to Systems of Equations Topic 6: Finding Solution Sets to Systems of Equations Using Substitution and Graphing Topic 7: Using Equivalent Systems of Equations



Algebra 1 EOC Prep

Securing Opportunities for Academic Recovery (S.O.A.R)

Six Week Student Self-Paced Calendar



Monday	Tuesday	Wednesday	Thursday	Friday
Section 4: Linear Equations, Functions, and Inequalities	Section 5: Quadratic Functions – Part 1			Section 6: Quadratic Functions – Part 2
Day 11 Videos: Topic 8: Finding Solution Sets to Systems of Equations Using Elimination Topic 9: Solution Sets to Inequalities with Two Variables Topic 10: Finding Solution Sets to Systems of Linear Inequalities	Day 12 Videos: Topic 1: Real-World Examples of Quadratic Functions Topic 2: Factoring Quadratic Expressions Topic 3: Solving Quadratic Equations by Factoring	Day 13 Videos: Topic 4: Solving Other Quadratic Equations by Factoring Topic 5: Solving Quadratic Equations by Factoring – Special Cases Topic 6: Solving Quadratic Equations by Taking Square Roots	Day 14 Videos: Topic 7: Solving Quadratic Equations by Completing the Square Topic 9: Solving Quadratic Equations Using the Quadratic Formula Topic 10: Quadratic Functions in Action	Day 15 Videos: Topic 1: Observations from a Graph of a Quadratic Function Topic 2: Nature of the Zeros of Quadratic Equations and Functions Topic 3: Graphing Quadratic Functions Using a Table
Section 6: Quadratic Functions – Part 2		Section 7: Exponential Functions		Section 8: Summary of Functions
Day 16 Videos: Topic 4: Graphing Quadratic Functions Using the Vertex and Intercepts Topic 5: Graphing Quadratic Functions Using Vertex Form – Part 1 Topic 6: Graphing Quadratic Functions Using Vertex Form – Part 2	Day 17 Videos: Topic 7: Transformations of the Dependent Variable of Quadratic Functions Topic 8: Transformations of the Independent Variable of Quadratic Functions Topic 9: Finding Solution Sets to Systems of Equations Using Tables of Values and Successive Approximations	Day 18 Videos: Topic 1: Geometric Sequences Topic 2: Exponential Functions Topic 3: Graphs of Exponential Functions – Part 1	Day 19 Videos: Topic 4: Graphs of Exponential Functions – Part 2 Topic 5: Growth and Decay Rates of Exponential Functions Topic 6: Transformations of Exponential Functions	Day 20 Videos: Topic 1: Comparing Linear, Quadratic, and Exponential Functions – Part 1 Topic 2: Comparing Linear, Quadratic, and Exponential Functions – Part 2 Topic 4: Exploring non-Arithmetic, non-Geometric Sequences Topic 5: Modeling with Functions



Algebra 1 EOC Prep

Securing Opportunities for Academic Recovery (S.O.A.R)

Six Week Student Self-Paced Calendar

Monday	Tuesday	Wednesday	Thursday	Friday
Section 8: Summary of Functions	Section 9: One-Variable Statistics			Section 10: Two-Variable Statistics
Day 21 Videos: Topic 10: Finding Zeros of Polynomial Functions of Higher Degrees Topic 11: End Behavior of Graphs of Polynomials Topic 12: Graphing Polynomial Functions of Higher Degrees	Day 22 Videos: Topic 1: Dot Plots Topic 2: Histograms Topic 3: Box Plots – Part 1	Day 23 Videos: Topic 4: Box Plots – Part 2 Topic 5: Measures of Center and Shapes of Distributions Topic 6: Measures of Spread – Part 1	Day 24 Videos: Topic 7: Measures of Spread – Part 2 Topic 8: The Empirical Rule Topic 9: Outliers in Data Sets	Day 25 Videos: Topic 1: Relationship between Two Categorical Variables – Marginal and Joint Frequency – Part 1 Topic 2: Relationship between Two Categorical Variables – Marginal and Joint Frequency – Part 2 Topic 3: Relationship between Two Categorical Variables – Conditional Relative Frequency
Section 10: Two-Variable Statistics		Wait! There's More! - Bootcamp		
Day 26 Videos: Topic 4: Scatter Plots and Function Models Topic 5: Residuals and Residual Plots – Part 1	Day 27 Videos: Topic 6: Residuals and Residual Plots – Part 2 Topic 7: Examining Correlation	Day 28 Videos: A-APR - Arithmetic with Polynomials and Rational Expressions A-CED - Creating Equations A-REI - Reasoning with Equations and Inequalities	Day 29 Videos: A-SSE - Structure and Expressions F-BF - Building Functions F-IF - Interpreting Functions	Day 30 Videos: F-LE - Linear, Quadratic, and Exponential Functions N-RN - The Real Number System S-ID - Interpreting Data