



We are ONE Frost

# Algebra 1

Quarter 1

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# Subject Area

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Teacher Name (Link to email)	Office Hours	Digital Learning Space (Blackboard or Google Classroom)	Class Syllabus	Teaching Periods
<a href="#">Megan Fowle</a>	Monday - 9:30-10:25 Wednesday - 9:35-10:25 Friday - 9:35-10:25	Mostly Google Classroom (see our class in Blackboard for class codes); some resources in BB.	Available in the syllabus tab on our Blackboard class.	Algebra - 6th Period, 7th Period (with Ms. White), and 8th Period
<a href="#">Trisha Johnsen</a>	Monday - 9:30-10:25 Wednesday - 9:35-10:25 Friday - 9:35-10:25	Google Classroom	Available in Google Classroom and on the syllabus tab in Blackboard	Algebra - 3rd Period with Ms. Thomas
<a href="#">Jeri Thomas</a>	Monday - 9:30-10:25 Wednesday - 9:35-10:25 Friday - 9:35-10:25	Google Classroom (see our class in Blackboard for class codes); some resources in BB.	Available in Google Classroom and on the syllabus tab in Blackboard	Algebra - 3rd Period (with Ms. Johnsen), 6th Period, and 7th Period
<a href="#">Brenda White</a>	Monday - 9:30-10:25 Wednesday - 9:35-10:25 Friday - 9:35-10:25	Mostly Google Classroom (see our class in Blackboard for class codes); some resources in BB.	Available in the syllabus tab on our Blackboard class.	Algebra: 7th Period with Ms. Fowle

## Commonly Used Links

- [GoFormative](#)
- [Online Calculator](#) - Desmos.com/graphing
- Individual Google Classroom links

# Qtr 2- Weekly Overview- What am I learning about?

Week 1- Nov 2-6		Week 2-- Nov. 9-13	
Unit Name:	Unit 3 - Functions	Unit Name:	Unit 3 - Functions
Topic & Tools:	<b>MTH.ALG1.7</b> The student will investigate and analyze linear and quadratic function families and their characteristics both algebraically and graphically, including <ol style="list-style-type: none"> <li>a. determining whether a relation is a function</li> </ol>	Topic & Tools:	<b>MTH.ALG1.7</b> The student will investigate and analyze linear and quadratic function families and their characteristics both algebraically and graphically, including <ol style="list-style-type: none"> <li>b. domain and range</li> </ol>
POG Skills		POG Skills	
Forms of Assessment	GoFormative Graded Assignment	Forms of Assessment	GoFormative Graded Assignment
Week 3- Nov. 16-20		Week 4- Nov. 23- 27	
Unit Name:	Unit 3 - Functions	Unit Name:	Unit 3 - Functions
Topic & Tools:	<b>MTH.ALG1.7</b> The student will investigate and analyze linear and quadratic function families and their characteristics both algebraically and graphically, including <ol style="list-style-type: none"> <li>f. connections between and among multiple representations of functions using verbal descriptions, tables, equations, and graphs.</li> </ol>	Topic & Tools:	<b>MTH.ALG1.7</b> The student will investigate and analyze linear and quadratic function families and their characteristics both algebraically and graphically, including <ol style="list-style-type: none"> <li>a. determining whether a relation is a function;</li> <li>b. domain and range;</li> <li>f. connections between and among multiple representations of functions using verbal descriptions, tables, equations, and graphs.</li> </ol>
POG Skills		POG Skills	

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# Qtr 2- Weekly Overview

Week 5- Nov 30- Dec. 4		Week 6- Dec 7 -11	
Unit Name:	Unit 3 - Functions	Unit Name:	Unit 4 Lines
Topic & Tools:	<b>MTH.ALG1.7</b> The student will investigate and analyze linear and quadratic function families and their characteristics both algebraically and graphically, including <ol style="list-style-type: none"> <li>determining whether a relation is a function;</li> <li>domain and range;</li> <li>connections between and among multiple representations of functions using verbal descriptions, tables, equations, and graphs.</li> </ol>	Topic & Tools:	MTH.ALG1.6 The student will <ol style="list-style-type: none"> <li>determine the slope of a line when given an equation of the line, the graph of the line, or two points on the line;</li> </ol>
POG Skills		POG Skills	Communicator Students will listen to, acknowledge, and appreciate diverse methods and strategies for approaching, reasoning through, and negotiating ideas when I engage in mathematical conversations.
Forms of Assessment	Unit 3 Test	Forms of Assessment	GoFormative Graded Assignment
Week 7-Dec. 14- 18		Week 8- Jan. 4 - 8	
Unit Name:	Unit 4 Lines	Unit Name:	Unit 4 Lines
Topic & Tools:	MTH.ALG1.6 The student will <ol style="list-style-type: none"> <li>determine the slope of a line when given</li> </ol>	Topic & Tools:	MTH.ALG1.6 The student will <ol style="list-style-type: none"> <li>determine the slope of a line when</li> </ol>

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Week 9- Jan. 11-15		Week 10- Jan. 18-22	
Unit Name:	Unit 4 Lines	Unit Name:	Unit 4 Lines
Topic & Tools:	MTH.ALG1.6 The student will a) determine the slope of a line when given an equation of the line, the graph of the line, or two points on the line; b) write the equation of a line when given the graph of the line, two points on the line, or the slope and a point on the line; and c) graph linear equations in two variables.	Topic & Tools:	MTH.ALG1.6 The student will a) determine the slope of a line when given an equation of the line, the graph of the line, or two points on the line; b) write the equation of a line when given the graph of the line, two points on the line, or the slope and a point on the line; and c) graph linear equations in two variables.
POG Skills	Communicator Students will listen to, acknowledge, and appreciate diverse methods and strategies for approaching, reasoning through, and negotiating ideas when I engage in mathematical conversations.	POG Skills	Communicator Students will listen to, acknowledge, and appreciate diverse methods and strategies for approaching, reasoning through, and negotiating ideas when I engage in mathematical conversations.
Forms of Assessment	GoFormative Graded Assignment	Forms of Assessment	GoFormative Graded Assignment
<b>Unit Resources</b>			
<a href="#"><u>Keep the Learning going</u></a>		<a href="#"><u>Supports by Unit Name</u></a>	

# Weekly Overview- What am I learning about?

Week 1- Sept. 8-11		Week 2-- Sept. 14-18	
Unit Name:	Expressions and Operations	Unit Name:	Expressions and Operations
Topic & Tools:	<p>Beginning of year activities and community builders</p> <p><b>MTH.ALG1.1</b> The student will: b. evaluate algebraic expressions for given replacement values of the variables.</p> <p><b>MTH.ALG1.2</b> The student will perform operations on polynomials, including: b. adding and subtracting polynomials;</p>	Topic & Tools:	<p><b>MTH.ALG1.1</b> The student will: b. evaluate algebraic expressions for given replacement values of the variables.</p> <p><b>MTH.ALG1.2</b> The student will perform operations on polynomials, including: b. adding and subtracting polynomials;</p>
POG Skills	<p>Collaborator: Consider different logical approaches and gather multiple sources on a topic in order to construct a reasonable argument to reach/defend a valid conclusion.</p>	POG Skills	<p>Collaborator: Consider different logical approaches and gather multiple sources on a topic in order to construct a reasonable argument to reach/defend a valid conclusion.</p>
Forms of Assessment		Forms of Assessment	Graded Assignments on GoFormative
Week 3- Sept. 21-25		Week 4- Sept. 28- Oct. 2	
Unit Name:	Expressions and Operations	Unit Name:	Equations and Inequalities
Topic & Tools:	<p><b>MTH.ALG1.1</b> The student will: b. evaluate algebraic expressions for given replacement values of the variables.</p> <p><b>MTH.ALG1.2</b> The student will perform operations on polynomials, including:</p>	Topic & Tools:	<p><b>MTH.A1.4</b> The student will solve: a. multistep linear equations in one variable algebraically</p>

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# Weekly Overview



Week 5- Oct. 5-9		Week 6-- Oct. 12-16	
Unit Name:	Equations and Inequalities	Unit Name:	Equations and Inequalities
Topic & Tools:	<b>MTH.A1.4</b> The student will solve: c. literal equations for a specified variable; e. practical problems involving equations and systems of equations.	Topic & Tools:	<b>MTH.A1.4</b> The student will solve: c. literal equations for a specified variable; e. practical problems involving equations and systems of equations. <b>MTH.A1.5</b> The student will solve: a. multistep linear inequalities in one variable algebraically and represent the solution graphically;
POG Skills	Creative and Critical Thinker: Students logically think through a problem and determine the relative facts or information that they need to solve the problem.	POG Skills	Creative and Critical Thinker: Students logically think through a problem and determine the relative facts or information that they need to solve the problem.
Forms of Assessment	Graded Assignments on GoFormative	Forms of Assessment	Graded Assignments on GoFormative
Week 7- Oct. 19-23		Week 9 Oct. 26-30	
Unit Name:	Equations and Inequalities	Unit Name:	Equations and Inequalities
Topic & Tools:	<b>MTH.A1.5</b> The student will solve: c. practical problems involving inequality	Topic & Tools:	Unit Review of all concepts and Unit Test.
POG Skills	Creative and Critical Thinker: Students logically think through a problem and determine the relative facts or information that they need to solve the problem	POG Skills	Creative and Critical Thinker: Students logically think through a problem and determine the relative facts or information that they need to solve the problem

# Learning Supports

Unit 1 - Expressions and Operations	Unit 2 - Equations and Inequalities	Unit 3 - Functions	Unit 4 - Lines
Class Recordings <a href="#">Distributive Property and Combining Like Terms</a> <a href="#">Adding and Subtracting Polynomials</a>	Class Recordings <a href="#">Solving Multi-Step Equations</a> <a href="#">Literal Equations</a> <a href="#">Solving and Graphing Inequalities</a>	Class Recordings <a href="#">Relations vs. Functions</a> <a href="#">Domain and Range from a Graph</a>	Class Recordings <a href="#">Graphing Lines from Slope-Intercept Form</a> <a href="#">Finding the Equation of a Line from a Graph</a>
Unit 5 - Systems	Unit 6 - Exponents and Radicals	Unit 7 - Polynomials	Unit 8 - Quadratics
Class Recordings	Class Recordings	Class Recordings	Class Recordings
Unit 9 - Mastery of Essential Content	Unit Name	Unit Name	Unit Name
Class Recordings			

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Unit Name	Unit Name	Unit Name	Unit Name
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# Free themes and templates for **Google Slides** or **PowerPoint**

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Scaffold 1/Extension 1 (audio)



Learning Experience 2 (video)



Learning Experience 3 (reading)



Learning Experience 4  
(Interactive)



Learning Experience 5  
(Discussion)

*Sharing is caring!*

