Secondary Math II **Term 1**

Date	Section	Objectives
8/20 (A) 8/21 (B)	Unit 1.1 Angles Day 1	I can solve equations by following the order of operations.
8/22 (A) 8/23 (B)	Unit 1.1 Angles Day 2	I can prove that vertical angles, alternate interior/exterior, and corresponding angles are congruent. I can prove that consecutive interior/exterior angles are supplementary. I can use my knowledge of angle relationships to solve equations.
8/24 (A) 8/27 (B)	Unit 1.1 Angles Day 3	I can identify solutions that come from adding, subtracting, and multiplying rational and irrational numbers. I can identify which subset(s) of the Real Numbers quantities fit into.
8/28 (A) 8/29 (B)	Unit 1.1 Angles Day 4	I can find a portion of a distance between two points. I can find the distance between two points. I can find the slope between two points.
8/30 (A) 8/31 (B)	Unit 1.1 Angles Day 5	I can prove a quadrilateral is (or is not) a parallelogram using slope, distance, or midpoint.
9/4 (A) 9/5 (B)	Unit 1.1 Angles Day 6	Angles Review
9/6 (A) 9/7 (B)	**Unit 1.1 Angles Test**	
9/10 (A) 9/11 (B)	Unit 1.2 Triangles Day 1	I can calculate angles of triangles based on the fact that the total angle measure of a triangle is 180 degrees. I can find the angles of an isosceles triangle based on the fact that the base angles are congruent. I can determine if 3 measurements can create a triangle.
9/12 (A) 9/13 (B)	Unit 1.2 Triangles Day 2	I can find the length of the midsegment of a triangle based on the third side's length and know that these two segments are parallel. I can identify the 4 centers of a triangle and describe the special features of each.
9/14 (A) 9/17 (B)	Unit 1.2 Triangles Day 3	*I can show two triangles are similar by showing all three corresponding pairs of angles are congruent and all three corresponding pairs of sides are the same proportion.* I can use AA Similarity to prove that two triangles are similar.
9/18 (A) 9/19 (B)	Unit 1.2 Triangles Day 4	I can use ratios to find missing sides of similar and congruent triangles. I can use triangle theorems to solve problems involving proportionality and angles.
9/20 (A) 9/21 (B)	Unit 1.2 Triangles Day 5	Triangles Review
9/24 (A) 9/25 (B)	**Unit 1.2 Triangles Test**	
9/26 (A) 9/27 (B)	Pre-ACT Test? (Sophomores)	
9/28 (A) 10/1 (B)	Unit 1.3 Trig Day 1	*I can find missing parts of right triangles using trigonometric ratios.*
10/2 (A) 10/3 (B)	Unit 1.3 Trig Day 2	I can solve right triangle problems.
10/4 (A) 10/5 (B)	Unit 1.3 Trig Day 3	*I can solve right triangle real world problems.*
10/8 (A) 10/9 (B)	Unit 1.3 Trig Day 4	Trig Review
10/10 (A) 10/11 (B)	**Unit 1.3 Trig Test**	
10/12 (A) 10/15 (B)	Review for Term 1 Final	
10/16 (A) 10/17 (B)	**Term 1 Final**	

Secondary II **Term 2**

Date	Lesson	Objectives
10/23 (A) 10/24 (B)	Unit 2.1 Quadratic Prep Day 1	*I can rewrite expressions with exponents using the properties of exponents.*
10/25 (A) 10/26 (B)	Unit 2.1 Quadratic Prep Day 2	I can convert rational exponents (exponents that are fractions) to radicals (square root, cube root, etc.) and vice versa.
10/29 (A) 10/30 (B)	Unit 2.1 Quadratic Prep Day 3	*I can rewrite expressions with exponents using the properties of exponents and rational exponents.*
10/31 (A) 11/1 (B)	Unit 2.1 Quadratic Prep Day 4	I can figure out the number of complex solutions of a polynomial based on its degree. I can identify the terms, degree, coefficients, and constants of a polynomial. *I can add, subtract, and multiply polynomials.*
11/2 (A) 11/5 (B)	Unit 2.1 Quadratics Prep Day 5	*I know that i is the square root of -1 and that i^2 is equal to -1.* I can recognize a complex number and define the real and imaginary parts. *I can add, subtract, and multiply complex numbers.*
11/6 (B) 11/7 (A)	Unit 2.1 Quadratic Prep Day 6	Quadratic Prep Review
11/8 (A) 11/9 (B)	**Unit 2.1 Quadratic Prep Test**	
11/12 (A) 11/13 (B)	Unit 2.2 Quadratics Day 1	*I know that x-intercepts, zeros, and roots are the same thing.* *I can factor a quadratic equation in Standard Form to find the x-intercepts of the graph.*
11/14 (A) 11/15 (B)	Unit 2.2 Quadratics Day 2	*I can factor a quadratic equation in Standard Form to find the x-intercepts of the graph.* *I can recognize and factor a difference of squares.*
11/16 (A) 11/19 (B)	Unit 2.2 Quadratics Day 3	*I can identify key features of a parabola such as: vertex, x-intercepts, y-intercept, max/min, and axis of symmetry in Factored Form.*
11/20 (A) 11/26 (B)	Unit 2.2 Quadratics Day 4 **Factored Form Quiz**	I can write the equation of a quadratic in Factored Form when given the zeros of the function and a point on the graph. I can write the equation of a quadratic in Factored Form from the graph.
11/27 (A) 11/28 (B)	Unit 2.2 Quadratics Day 5	*I can find the x-intercepts of a quadratic expression by factoring, and using the quadratic formula.* *I can recognize when a quadratic equation will have imaginary x-intercepts.*
11/29 (A) 11/30 (B)	Unit 2.2 Quadratics Day 6	*I can identify key features of a parabola such as: vertex, x-intercepts, y-intercept, max/min, and axis of symmetry in Standard Form.*
12/3 (A) 12/4 (B)	Unit 2.2 Quadratics Day 7 **Standard Form Quiz**	*I can identify key features of a parabola such as: vertex, x-intercepts, y-intercept, max/min, and axis of symmetry in Vertex Form.*
12/5 (A) 12/6 (B)	Unit 2.2 Quadratics Day 8	I can write the equation of a quadratic in Vertex Form when given the vertex of the function and a point on the graph. I can write the equation of a quadratic in Vertex Form when given the graph of the function.
12/7 (A) 12/10 (B)	Unit 2.2 Quadratics Day 9	Quadratics Review
12/11 (B) 12/12 (A)	**Unit 2.2 Quadratics Test**	
12/13 (A) 12/14 (B)	Review for Semester 1 Final	
12/17 (A) 12/18 (B)	**Semester 1 Final**	
12/19	A/B-day	Winter Break…See you on January 3rd!

Secondary II **Term 3**

Date	Lesson	Objectives
1/3 (A) 1/4 (B)	Unit 3.1 Quadratic Applications Day 1	I can differentiate between Factored Form, Standard Form, and Vertex Form.
1/7 (A) 1/8 (B)	Unit 3.1 Quadratic Applications Day 2	I can solve (linear or) quadratic inequalities by graphing.
1/9 (A) 1/10 (B)	Unit 3.1 Quadratic Applications Day 3	*I can solve real world problems involving quadratics.*
1/11 (A) 1/14 (B)	Unit 3.1 Quadratic Applications Day 4	Quadratic Applications Review
1/15 (A) 1/16 (B)	**Unit 3.1 Quadratic Applications Test**	
1/17 (A) 1/18 (B)	Unit 3.2 Function Notation Day 1	Review Function Notation and Function Operation I can give the domain of a function based on its graph or in the context of the problem.
1/22 (A) 1/23 (B)	Unit 3.2 Function Notation Day 2	I can find the domain and range of quadratic functions. I can recognize the transformations of quadratic functions.
1/24 (A) 1/25 (B)	Unit 3.2 Function Notation Day 3	I can graph absolute value functions. I can find the domain and range of the absolute value function. I can recognize the transformations of absolute value functions.
1/28 (A) 1/29 (B)	Unit 3.2 Function Notation Day 4	I can graph piecewise functions dealing with linear, quadratic, and absolute value functions.
1/30 (A) 1/31 (B)	Unit 3.2 Function Notation Day 5	Function Notation Review
2/1 (A) 2/4 (B)	**Unit 3.2 Function Notation Test**	
2/5 (A) 2/6 (B)	Unit 3.3 Comparing Functions Day 1	I can recognize the difference between exponential growth and exponential decay. I can convert from a monthly interest rate to an annual interest rate using the power to a power rule of exponents.
2/7 (A) 2/8 (B)	Unit 3.3 Comparing Functions Day 2	*I can differentiate between linear, quadratic, and exponential functions given in various forms.*
2/11 (A) 2/12 (B)	**Unit 3.3 Comparing Functions Test**	
2/13 (A) 2/14 (B)	Review for Term 3 Final	
2/15 (A) 2/19 (B)	**Term 3 Final**	
2/20 (A/B)	ACT	
2/21 (A) 2/22 (B)	Unit 3.4 Probability Day 1	I can define event, subset, sample space, union, intersection, and complement using words or pictures.
2/25 (A) 2/26 (B)	Unit 3.4 Probability Day 2	*I can construct and read a two-way table to compare two categories.* *I can find probability and joint probabilities from categorical data when comparing two categories in a two-way table.*
2/27 (A) 2/28 (B)	Unit 3.4 Probability Day 3	I can find the conditional probability and interpret what it means in context. *I can find conditional probability from categorical data when comparing two categories in a two-way table.*
3/1 (A) 3/5 (B)	Unit 3.4 Probability Day 4	*I can find probability from a two-way table or from a given set of information.*
3/6 (A) 3/7 (B)	Unit 3.4 Probability Day 5	Probability Review
3/8 (A) 3/11 (B)	**Unit 3.4 Probability Test**	

Secondary II **Term 4**

Date	Lesson	Objectives
3/12 (A) 3/13 (B)	Unit 4.1 Circles Day 1	I can find the related central angle and arc. I can find the related inscribed angle and intercepted arc.
3/14 (A) 3/15 (B)	Unit 4.1 Circles Day 2	*I can find the circumference or area of a circle.* I can relate the circumference to the arc length or area to the sector area.
3/18 (A) 3/19 (B)	Unit 4.1 Circles Day 3	*I can convert degrees to radians and radians to degrees.* I can relate the circumference to the arc length or area to the sector area after converting radians into degrees.
3/20 (A) 3/21 (B)	Unit 4.1 Circles Day 4	I know what a tangent line to a circle means. I can relate tangent and secant lines to find the measure of a circumscribed angle of a circle. I know the difference between inscribed and circumscribed.
3/22 (A) 3/25 (B)	Unit 4.1 Circles Day 5	I can prove a line is tangent to a circle using the Pythagorean Theorem.
3/26 (A) 3/27 (B)	Unit 4.1 Circles Day 6	Circles Review
3/28 (A) 3/29 (B)	**Unit 4.1 Circles Test**	
4/8 (A) 4/9 (B)	Unit 4.2 Systems/Conics Day 1	I can create an equation of a circle when given a radius and center points.
4/10 (A) 4/11 (B)	Unit 4.2 Systems/Conics Day 2	I can solve a system of equations graphically (linear/linear, linear/quad, linear/circle).
4/12 (A) 4/15 (B)	Unit 4.2 Systems/Conics Day 3	I can solve a system of equations algebraically (linear/linear, linear/quad, linear/circle).
4/16 (A) 4/17 (B)	Unit 4.2 Systems/Conics Day 4	*I can solve a system of equations graphically (linear/linear, linear/quad, linear/circle) and algebraically (linear/linear, linear/quad, linear/circle).*
4/18 (A) 4/19 (B)	Unit 4.2 Systems/Conics Day 5	Systems/Conics Review
4/22 (A) 4/23 (B)	**Unit 4.2 Systems/Conics Test**	
4/24 (A) 4/25 (B)	Unit 4.3 Volume Day 1	I can find the area of any geometric shape.
4/26 (A) 4/29 (B)	Unit 4.3 Volume Day 2	I can relate the volume of cylinders to cones, and prisms to pyramids.
4/30 (A) 5/1 (B)	Unit 4.3 Volume Day 3	*I can find the volume of cylinders, cones, prisms, pyramids, and spheres.*
5/2 (A) 5/3 (B)	Unit 4.3 Volume Day 4	I can rearrange formulas to solve for different variables. I can figure out how the volume of a figure changes when one of the dimensions changes.
5/6 (A) 5/7 (B)	Unit 4.3 Volume Day 5	Volume Review
5/8 (A) 5/9 (B)	**Unit 4.3 Volume Test**	
5/10 (A) 5/13 (B)	State Testing?	
5/14 (A) 5/15 (B)	State Testing?	
5/16 (A) 5/17 (B)	Prepare for Final	Review
5/20 (A) 5/21 (B)	Prepare for Final	Review
5/22 (A)	Prepare for Final	Review
5/23 (B)	**FINALS A1, A2, A3**	

5/24 (A)	**FINALS B5, B6, B7**
5/28 (B)	**FINALS A4, B8**
5/29 (A)	Yearbook Day
5/30	GRADUATION