



Township of Ocean Schools

Assistant Superintendent
Office of Teaching and Learning

SPARTAN MISSION:

Meeting the needs of all students with a proud tradition of academic excellence.

Curriculum Development Timeline

School: Ocean Township High School

Course: College Prep Math

Department: Mathematics

Board Approval	Supervisor	Notes
July 2012	Janet Bluefield	Born Date
August 2017	Nichole Kerney	Revisions
August 2018	Nichole Kerney	Revisions

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Week	Marking Period 1	Week	Marking Period 3
1	Relations and Functions	11	Exponential and Logarithmic Functions
2	Linear Equations and Functions	12	Exponential and Logarithmic Functions
3	Absolute Value Equations and Inequalities	13	Polynomials and Polynomial Functions
4	Parent Graph Functions and Transformations	14	Polynomials and Polynomial Functions
5	Linear Systems and Matrices	15	Rational Functions and Relations
Week	Marking Period 2	Week	Marking Period 4
6	Quadratic Functions	16	Rational Functions and Relations
7	Quadratic Functions	17	College Placement Test Prep
8	Inverse and Radical Functions	18	Trigonometry
9	Inverse and Radical Functions	19	Trigonometry
10	Exponential and Logarithmic Functions	20	Trigonometry

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Time Frame	1 week (5 blocks)
Topic	
Relations and Functions	
Essential Questions	
<ol style="list-style-type: none">1. How do you interpret a graph given a situation?2. What is a function/ relation?3. What are the different ways to represent a function?4. Can you write a rule from a table?5. How do you determine if a relation in a table or graph is a function?	
Enduring Understandings	
<ol style="list-style-type: none">1. Function patterns can be represented in two variables.2. Functional relationship relates the value of one variable, such as y or $f(x)$, to another variable, such as x.3. Functional relationships can be related visually by graphs, as well as by sets, rules, tables, and mappings.	
Alignment to Standards	
A.CED.2, A.CED.3, F.IF.1, N.Q.1, F.IF.4, F.IF.5, F.IF.7a, F.LE.2, CRP11	
Key Concepts and Skills	
<ol style="list-style-type: none">1. To interpret, sketch and analyze graphs from various situations (ie time vs distance from home)2. To identify relations and functions3. To evaluate functions4. To determine range and domain5. To utilize function notation, $f(x)$, evaluate and construct tables6. To use the vertical line test to determine if a relation is a function7. To write function rules based on real world situations	

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Learning Activities

1. Video tutor – phschool.com
2. Worksheets on $f(x)$, real life situations, writing function rules from words
3. Discussions on graphs, worksheets
4. TI 84 – table, table set up
5. Smartboard Files
6. Desmos Activity on Domain and Range

Assessments

1. Partners or groups on graphs
2. Tests, quizzes
3. Homework

21st Century Skills

Creativity	x	Critical Thinking	x	Collaboration		Communication	
Life & Career Skills		Information Technology	x	Media Literacy			

Interdisciplinary Connections

Science and history: graphs and functions

Technology Integration

8.1 Educational Technology- All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.

Graphing calculator.

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Time Frame	1 week (5 blocks)
Topic	
Linear Equations and Functions	
Essential Questions	
<ol style="list-style-type: none">1. How can mathematical ideas be represented?2. How are equations, inequalities, and their graphs used to solve real-world problems?3. Why are relations and functions represented in multiple ways?4. How does the graph of a given function or relation reflect its characteristics?5. How is a scatterplot used to analyze trends?	
Enduring Understandings	
<ol style="list-style-type: none">1. Linear functions can be used to model real-world situations.2. Linear functions can be represented, numerically, graphically, and analytically to understand patterns and relationships.3. Rates of change can be represented mathematically and graphically.	
Alignment to Standards	
F.IF.4, F.IF.5, F.IF.6, F.IF.7b, F.IF.9, A.SSE.1b, A.CED.2, A.CED.3, F.BF.3, CRP8, CRP11	
Key Concepts and Skills	
<ol style="list-style-type: none">1. Analyze and use relations and functions.2. Identify linear relations and functions.3. Write linear equations in standard form.4. Find the rate of change.5. Write an equation of a line given the slope and a point on the line or two points.6. Write an equation of a line parallel or perpendicular to a given line.7. Use scatterplots and prediction equations.8. Model data using lines of regression.9. Write and graph piecewise functions.10. Write and graph step and absolute value functions.11. Identify and use parent functions. Describe transformations of functions.	

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12. Graph linear inequalities.
13. Graph absolute value inequalities.

Learning Activities

1. Desmos Card Sort Linear Functions
2. Applications, constant rate of change

Assessments

1. Quiz, homework
2. Piecewise Project
3. Formative: Anticipatory Set, Exit Ticket

21st Century Skills

Creativity	x	Critical Thinking	x	Collaboration		Communication	
Life & Career Skills		Information Technology	x	Media Literacy			

Interdisciplinary Connections

Science - constant rate of change relationships.

Technology Integration

8.1 Educational Technology- All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.
Graphing Calculators
SmartBoard

Time Frame	1 week (5 blocks)
Topic	

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Absolute Value Equations and Inequalities

Essential Questions

1. How can mathematical ideas be represented?
2. How are equations, inequalities, and their graphs used to solve real-world problems?
3. Why do absolute value equations and inequalities have two answers?
4. How do the answers relate to the graph?

Enduring Understandings

Absolute Value functions can be represented numerically, graphically, and analytically to understand patterns and relationships.

Alignment to Standards

A.REI.3, A.REI.10, A.REI.11, A.CED.2, A.CED.3, F.IF.1, F.IF.2, F.IF.4, F.IF.5, F.IF.7b, CRP6

Key Concepts and Skills

1. Algebraically solve absolute value equations and inequalities. Graph inequalities.
2. Identify, use, and describe transformation patterns on parent functions.
3. Graph absolute value inequalities.

Learning Activities

1. Graphing Absolute Value Functions Lab
2. Discover graphically why most absolute value functions have 2 solutions.
3. When do they equations have no solution? Graphically how is this represented?

Assessments

1. Quiz, Homework
2. Formative: Anticipatory Set, Exit Ticket

21st Century Skills

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Creativity		Critical Thinking	x	Collaboration	x	Communication	
Life & Career Skills		Information Technology		Media Literacy			
Interdisciplinary Connections							
Science (physics): force, speed, and friction.							
Technology Integration							
8.1 Educational Technology- All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge. Graphing Calculator, ELMO and Computer with Projector, SmartBoard							

Time Frame	1 week (5 blocks)
Topic	
Parent Graph Functions and Transformations	
Essential Questions	
<ol style="list-style-type: none"> 1. How are functions and their graphs related? 2. How can technology be used to investigate properties of family functions and their graphs? 3. What are some patterns in the manipulation or changes in functions? 	
Enduring Understandings	
<ol style="list-style-type: none"> 1. Identify patterns of transformations and how the same patterns relate to multiple functions. 2. A variety of families of functions and methods can be used to model and solve real world situations. 	

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Alignment to Standards							
F-IF.1, F-IF.4, F-IF.7, F-IF.7b, F-BF.3, CRP4, CRP6, CRP11							
Key Concepts and Skills							
<ol style="list-style-type: none"> Determine if a relationship represents a function. Determine domain and range of each function. Determine 1-1 functions. Determine whether a function is odd, even or neither – algebraically or graphically. Graph the basic parent functions; including linear, absolute value, quadratic, square root, cube root, exponential, logarithmic and reciprocal with and without the use of technology. Identify the key characteristic of the parent functions using domain, range, local maxima and minima, global maxima and minima, and intervals of increasing and decreasing. Graph piecewise functions and describe domain and range. Identify key characteristics of a quadratic function; including vertex intercepts, and axis of symmetry, using both algebraic and graphical approaches. Solve real-world problems involving a variety of functions. Transform functions. 							
Learning Activities							
<ol style="list-style-type: none"> CBL Activities – Matching the Graph, Time v. Distance, Modeling Step Functions. Graphing Calculator Discovery – Characteristics of Family of Curves, Effects of Transformations. 							
Assessments							
<ol style="list-style-type: none"> Common Quizzes & Tests Homework, Classwork 							
21st Century Skills							
Creativity	x	Critical Thinking	x	Collaboration	x	Communication	x
Life & Career Skills	x	Information Technology	x	Media Literacy			

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Interdisciplinary Connections

Science: hypothesis vs experiments and margin of error

Technology Integration

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Graphing Calculator, ELMO and Computer with Projector, SmartBoard

Time Frame	1 week (5 blocks)
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Topic

Linear Systems and Matrices

Essential Questions

1. How do you solve systems of linear equations by graphing?
2. How do you graph systems of linear inequalities?
3. How do you solve systems of equations by substitution?
4. How do you use relationships between the slopes of parallel and perpendicular lines?
5. How do you solve systems of equations using addition-or-subtraction and choose a method for solving a system of equations?
6. How do you use matrices to represent data sets and use matrix operations?
7. How to use matrices to represent changes in the size or position of a polygon?
8. How do you recognize when matrices can be multiplied and find the product of the two matrices?
9. How do you use technology to find the inverses of matrices?
10. How to use inverse matrices to solve systems of equations using the TI-84?

Enduring Understandings

Students understand and choose best method of solving systems of linear equations.

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Alignment to Standards							
A.REI.5, A.REI.6, A.REI.8, A.REI.9, A.REI.10, A.REI.11, A.REI.12, N.VM.6, N.VM.7, N.VM.8, N.VM.9, N.VM.10, CRP2, CRP6, CRP11							
Key Concepts and Skills							
<ol style="list-style-type: none"> How to choose between different methods for solving linear systems. Linear systems can be used to solve real-world applications. 							
Learning Activities							
<ol style="list-style-type: none"> Desmos - Systems of Linear Equations Faceing Math - Systems of Linear Equations 							
Assessments							
<ol style="list-style-type: none"> Homework, Quiz , Chapter Test Decoding Matrix Project 							
21st Century Skills							
Creativity		Critical Thinking	x	Collaboration	x	Communication	x
Life & Career Skills		Information Technology		Media Literacy			
Interdisciplinary Connections							
Business/History: historical trends, supply and demand functions of world economies							
Technology Integration							
<p>8.1 Educational Technology- All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.</p> <p>Calculator: Using Matrices to Solve Systems of Equations, Graphing Calculator, ELMO and Computer with Projector, SmartBoard</p>							

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Time Frame	2 weeks (10 blocks)
Topic	
Quadratic Functions	
Essential Questions	
<ol style="list-style-type: none">1. How do the coefficients of a quadratic function influence its graph: the direction it opens, its vertex, its line of symmetry, and its y-intercept?2. How does the equation of a quadratic function determine the translation of a parabola?3. How do you solve simple quadratic equations by graphing and undoing?4. How do you solve quadratic equations by factoring?5. How do you use the quadratic formula to solve quadratic equations?6. How do you use the discriminant to find the number of real solutions of a quadratic equation?7. How do you add, subtract and multiply complex numbers?8. How do you solve problems using quadratic systems?	
Enduring Understandings	
<ol style="list-style-type: none">1. Students should be able to graph and describe the properties of quadratic functions.2. Students should be able to solve quadratic equations through multiple methods - factoring, graphing, square root, completing the square, quadratic formula3. Students should be able to find the discriminant, the vertex, zeros of the quadratic function.	
Alignment to Standards	
F.IF.7.a, F.IF.7.c, F.IF.8, A.APR.1, A.APR.3, A.SSE.3.a, A.SSE.3.b, CRP6, CRP8	
Key Concepts and Skills	

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1. Students should be able to understand how the coefficients of a quadratic function influence its graph: the direction it opens, its vertex, its line of symmetry, and its y-intercept.
2. Students should be able to solve quadratic equations by factoring, quadratic formula and calculator.
3. Students should be able to add, subtract and multiply complex numbers (calculator in complex mode).

Learning Activities

1. Graphing Activity in Vertex Form
2. Desmos - Will it hit the hoop?
3. Desmos - Match my Parabola
4. Quizlet live review

Assessments

1. Homework
2. Quiz, Test
3. Formative: Anticipatory Set, Exit Ticket

21st Century Skills

Creativity	x	Critical Thinking	x	Collaboration		Communication	
Life & Career Skills		Information Technology		Media Literacy			

Interdisciplinary Connections

Science: maximum an object travels.
Marketing: real-world supply and demand functions

Technology Integration

8.1 Educational Technology- All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.

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Calculator: Using Calculator to solve quadratic roots and systems of quadratic equations, TI84
Graphing Calculator, ELMO and Computer with Projector, SmartBoard

Time Frame	2 weeks (10 blocks)
Topic	
Inverses and Radical Functions	
Essential Questions	
<ol style="list-style-type: none">1. How can you choose a model to represent a set of data?2. How do we apply mathematical principles?3. What makes an algebraic algorithm both effective and efficient?4. How do operations affect numbers?	
Enduring Understandings	
<ol style="list-style-type: none">1. Algebraic representations can be used to generalize patterns in mathematics2. Patterns and relationships can be represented graphically, numerically, symbolically, or verbally	
Alignment to Standards	
F.IF.4, F.IF.7.b, F.IF.9, F.BF.1.b, F.BF.3, F.BF.4.a, A.SSE.2, A.REI.2, A.REI.11, CRP4	
Key Concepts and Skills	
<ol style="list-style-type: none">1. Find the sum, difference product, quotient, and composition of functions.2. Find the inverse of a function or relation.3. Determine whether two functions or relations are inverses algebraically and graphically.4. Graph and analyze square root functions.5. Graph square root inequalities.	

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6. Simplify radicals.
7. Use a calculator to approximate radicals.
8. Use a graphing calculator to graph nth root functions.
9. Simplify radical expressions.
10. Add, subtract, multiply, and divide radical expressions.
11. Write expressions with rational exponents in radical form and vice versa.
12. Simplify expressions in exponential or radical form.
13. Solve equations and inequalities containing radicals.
14. Use a graphing calculator to solve radical equations and inequalities.

Learning Activities

1. Miras to show inverse is the reflection over $y=x$
2. Green Globbs activity- square root function.
3. Sketch and graph a given function - state domain and range.
4. Quizziz - radical functions
5. Desmos Polygraph - radical functions

Assessments

1. Quizzes & Common Chapter Tests
2. Homework, Classwork
3. Journal Writing & Portfolios

21st Century Skills

Creativity	x	Critical Thinking	x	Collaboration		Communication	
Life & Career Skills		Information Technology		Media Literacy			

Interdisciplinary Connections

Physics- radical functions- boat speeds and waterline.
Science- height vs distance on the horizon.

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Technology Integration

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Graphing Calculators

Computer Software- Green Glob

Responders

Time Frame	3 weeks (15 blocks)
Topic	
Exponential and Logarithmic Functions	
Essential Questions	
<ol style="list-style-type: none">1. How can an exponential function represent a real-world scenario?2. How can the properties of logarithms be used to solve equations?3. Why does simplifying or expanding a logarithm expression help solve problems?	
Enduring Understandings	
<ol style="list-style-type: none">1. Solving exponential and logarithmic equations2. Applicable applications for exponential functions, compound interest, continuous compound interest, growth/decay3. Applications for natural logarithm and its uses in finance	
Alignment to Standards	
F.IF, F.IF.7, F.IF.7.e, F.LE.4, CRP6, CRP8	
Key Concepts and Skills	
Evaluate exponential functions and solve logarithmic functions	

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Learning Activities

1. Define the number “e”
2. Use exponential and logarithmic functions to describe real world scenarios including growth and decay. Ex: Interest money problems, population growth, radioactive decay (half-life)
3. Self discovery on properties of logarithms
4. Quizziz and Quizlet Live activities

Assessments

1. Test and Quizzes
2. Homework
3. Formative: Anticipatory Set, Exit Ticket

21st Century Skills

Creativity		Critical Thinking		Collaboration	x	Communication	x
Life & Career Skills	x	Information Technology		Media Literacy			

Interdisciplinary Connections

Science: growth and decay: bacteria, mineral, etc.

Technology Integration

8.1 Educational Technology- All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.

Graphing Calculators, Table feature on Calculator, SmartBoard

Time Frame	2 weeks (10 blocks)
Topic	

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Polynomials and Polynomial Functions

Essential Questions

1. Why is math used to model real-world situations?
2. How do we use polynomial patterns to make real-world predictions?
3. How can I use the remainder and factor theorems to solve polynomials?

Enduring Understandings

1. The arithmetic of rational expressions is governed by the same rules as the arithmetic of rational numbers.
2. Defining and solving the problem begins by selecting the appropriate procedural tool.
3. The characteristics of polynomial functions and their representations are useful in solving real-world problems.
4. The domain and range of polynomial functions can be extended to include the set of complex numbers.

Alignment to Standards

A.CED.1, A.REI.11, A.APR.2, A.APR.3, A.APR.4, F.FI.7c, N.CN.9, CRP2, CRP6

Key Concepts and Skills

1. Factor polynomial expressions and solve polynomial equations.
2. Evaluate functions by using synthetic substitution.
3. Determine whether a binomial is a factor of a polynomial by using synthetic substitution.
4. Determine the number and type of roots for a polynomial equation.
5. Find the zeros of a polynomial function.
6. Use a graphing calculator to analyze polynomial functions.
7. Identify possible rational zeros of a polynomial function.
8. Find all the rational zeros of a polynomial function.

Learning Activities

1. Dividing Polynomials Lab
2. Graphing Polynomials Lab

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3. Quizlet Live - Solving polynomial equations							
Assessments							
1. Quizzes & Common Chapter Tests							
2. Homework, Classwork							
3. Journal Writing & Portfolios							
21st Century Skills							
Creativity	x	Critical Thinking	x	Collaboration	x	Communication	x
Life & Career Skills	x	Information Technology		Media Literacy			
Interdisciplinary Connections							
Business- forecast sales trends, develop profit margins							
Science- projectile motion							
Technology Integration							
8.1 Educational Technology- All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.							
Graphing Calculators							
Computer Software- Green Glob							
SmartBoard							

Time Frame	2 weeks (10 blocks)
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Topic

Rational Functions and Relations

Essential Questions

1. Why are graphs useful?
2. How do we decide which method is most appropriate when solving rational equations?
3. When are asymptotes used to graph rational functions?

Enduring Understandings

1. Multiplying and Dividing Rational Expressions
2. Adding and Subtracting Rational Expressions
3. Solving rational equations
4. Simplified expressions are essential in being able to solve equations.
5. Domain restrictions affect graphing and solving of rational functions.

Alignment to Standards

A.APR.6, A.APR.7, A.CED.1, A.CED.2, F.BF.3, F.IF.9, A.REI.2, A.REI.11, CRP4

Key Concepts and Skills

1. Multiply and divide rational expressions, including simplifying complex fractions.
2. Add and subtract rational expressions.
3. Determine properties of reciprocal functions.
4. Graph transformations of reciprocal functions.
5. Use a graphing calculator to explore the graphs of rational functions.
6. Graph rational functions with vertical and horizontal asymptotes.
7. Graph rational functions with oblique asymptotes and point discontinuity.
8. Recognize and solve direct and joint variation problems.
9. Recognize and solve inverse and combined variation problems.
10. Solve rational equations.
11. Solve rational inequalities.
12. Use a graphing calculator to solve rational equations by graphing or by using the table feature.

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Learning Activities							
1. Quizziz Practice - dividing, add/subtract, and solving 2. Desmos - Polygraph Rational Functions 3. Graphing Rational Functions							
Assessments							
1. Quizzes & Common Chapter Tests 2. Homework, Classwork 3. Formative: Anticipatory Set, Exit Ticket							
21st Century Skills							
Creativity	x	Critical Thinking	x	Collaboration	x	Communication	x
Life & Career Skills	x	Information Technology		Media Literacy			
Interdisciplinary Connections							
Science- Ohm's Law(current/voltage), Water pressure (diameter vs flow rates) Social Studies & Health- Cost of health care vs population with flu							
Technology Integration							
8.1 Educational Technology- All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge. Graphing Calculators Computer Software- Green Globes SmartBoard							

Time Frame	1 week (5 blocks)
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Topic

College Placement Test Prep

Essential Questions

1. Why are you taking this test?
2. What does passing/failing mean for your academic career?
3. How can you prepare yourself for the exam/
4. When will you take the exam?
5. Why can't you use a calculator?

Enduring Understandings

1. Test Prep for future exams.
2. Test taking strategies

Alignment to Standards

A.REI.2, A.REI.3, A.REI.4, A.REI.5, A.REI.6, F.IF.4, F.IF.2, N.Q.2, CRP6, CRP8, CRP11

Key Concepts and Skills

1. Test Taking Strategies
2. What to concentrate your time on in order to be prepared
3. How to contact your future college to schedule exam
4. Main topics on most exams:
 - a. Basic Algebra:
 - i. Adding and subtracting fractions
 - ii. Multiplying and dividing fractions
 - iii. Percentages
 - iv. Dividing decimals
 - v. Long division
 - b. Intermediate Algebra:
 - i. Quadratics
 - ii. Polynomial Operations
 - iii. Exponent Rules
 - iv. Logarithms

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<ul style="list-style-type: none"> v. Rational Expressions vi. Complex Fractions vii. Trigonometry

Learning Activities

1. Preparedness for College Placements
2. Game to practice skills in a group setting
3. Practice tests

Assessments

1. Group Work
2. Review Game

21st Century Skills

Creativity		Critical Thinking	x	Collaboration		Communication	x
Life & Career Skills	x	Information Technology		Media Literacy			

Interdisciplinary Connections

General Test Taking Strategies can help in any testing situations for multiple subjects.

Technology Integration

8.1 Educational Technology- All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.
Graphing Calculators
SmartBoard

Time Frame	3 weeks (15 blocks)
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Topic

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Trigonometry

Essential Questions

1. How can I make connections to angles to determine basic trigonometric values?
2. How can I evaluate trigonometric functions at any domain value by connecting experiences with special right triangles gained in Geometry?
3. How can I select and apply trigonometric functions to solve problems in contexts that model cyclical behavior?

Enduring Understandings

1. Solving Trigonometric Equations with and without the unit circle
2. Model periodic phenomena with trigonometric functions
3. Extend the domain of trigonometric functions using the unit circle

Alignment to Standards

F.TF.1, F.TF.2, F.TF.5, F.TF.8, CRP6, CRP8

Key Concepts and Skills

1. Draw and find angles in standard position
2. Convert between degree measures and radian measures
3. Find values of trigonometric functions for general angles
4. Find values of trigonometric functions by using reference angles
5. Find the values of trigonometric functions based on the unit circle
6. Use the properties of periodic functions to evaluate trigonometric functions
7. Use trigonometric identities to find trigonometric values
8. Use trigonometric identities to simplify expressions

Learning Activities

1. Construct a color coded unit circle
2. Define trigonometric functions using x , y , and r
3. Ferris Wheel Problem
4. Tide Problem
5. Spaghetti Lab
6. Graphing calculator activity discovering properties of periodic functions

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7. Quizziz solving equations							
Assessments							
<ol style="list-style-type: none"> 1. Quizzes & Common Chapter Tests 2. Homework, Classwork 3. Journal Writing & Portfolios 4. Cumulative Benchmark 							
21st Century Skills							
Creativity	x	Critical Thinking	x	Collaboration	x	Communication	x
Life & Career Skills		Information Technology		Media Literacy			
Interdisciplinary Connections							
Science- revolutions per minute, predicting weather, monitoring volcanoes Physics- velocity, distance							
Technology Integration							
8.1 Educational Technology- All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge. Graphing Calculators SmartBoard							

Modifications (ELL, Special Education, Gifted and Talented, and 504 Plans)							
ELL: <ul style="list-style-type: none"> • Work toward longer passages as skills in English increase • Use visuals • Introduce key vocabulary before lesson • Teacher models reading aloud daily 							

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- Provide peer tutoring
- Use of Bilingual Dictionary
- Guided notes and/or scaffold outline for written assignments
- Provide students with English Learner leveled readers.

Supports for Students With IEPs:

- Allow extra time to complete assignments or tests
- Guided notes and/or scaffold outline for written assignments
- Work in a small group
- Allow answers to be given orally or dictated
- Use large print books, Braille, or books on CD (digital text)
- Follow all IEP modifications

Gifted and Talented:

- Create an enhanced set of introductory activities (e.g. advance organizers, concept maps, concept puzzles)
- Provide options, alternatives and choices to differentiate and broaden the curriculum
- Organize and offer flexible small group learning activities
- Provide whole group enrichment explorations
- Teach cognitive and methodological skills
- Use center, stations, or contracts
- Organize integrated problem-solving simulations
- Propose interest-based extension activities
- Expose students to beyond level texts.

Supports for Students With 504 Plans:

- Follow all the 504 plan modifications
- Text to speech/audio recorded selections
- Amplification system as needed
- Leveled texts according to ability
- Fine motor skill stations embedded in rotation as needed
- Modified or constrained spelling word lists
- Provide anchor charts with high frequency words and phonemic patterns

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