



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.

DEPARTMENT : Mathematics

COURSE : Grade 5

Curriculum Development Timeline

School: Township of Ocean Elementary Schools

Course: Mathematics, Grade 5

Department: Mathematics

Board Approval	Supervisor	Notes
August 2006	Justine Salvo	Born Date
November 2011	Christine Picerno	Revisions
December 2017	Christine Picerno	Revisions
March 2019	Christine Picerno	Review
August 2025	Rich Steckhahn	Alignment to Standards & Revisions

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

Township of Ocean Pacing Guide					
Week	Marking Period 1	Week	Marking Period 2	Week	Marking Period 3
1	EnVision Topic 1	14	EnVision Topic 5	28	EnVision Topic 11
2	EnVision Topic 1	15	EnVision Topic 6	29	EnVision Topic 12
3	EnVision Topic 1	16	EnVision Topic 6	30	EnVision Topic 12
4	EnVision Topic 2	17	EnVision Topic 7	31	EnVision Topic 12
5	EnVision Topic 2	18	EnVision Topic 7	32	EnVision Topic 13
6	EnVision Topic 3	19	EnVision Topic 7	33	EnVision Topic 13
7	EnVision Topic 3	20	EnVision Topic 8	34	EnVision Topic 14
8	EnVision Topic 3	21	EnVision Topic 8	35	EnVision Topic 15
9	EnVision Topic 4	22	EnVision Topic 8	36	EnVision Topic 15
10	EnVision Topic 4	23	EnVision Topic 9	37	EnVision Topic 16
11	EnVision Topic 4	24	EnVision Topic 9	38	EnVision Stepping Up to Grade 6
12	EnVision Topic 5	25	EnVision Topic 9	39	EnVision Stepping Up to Grade 6
13	EnVision Topic 5	26	EnVision Topic 10	40	EnVision Stepping Up to Grade 6
		27	EnVision Topic 11		

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

Core Instructional & Supplemental Materials including various levels of Texts

EnVision Mathematics 2024 Common Core Grade 1; IXL; Reflex Math

Time Frame

3 weeks

Topic

Operations and Algebraic Thinking

Alignment to Standards

5.OA.A - Write and interpret numerical expressions

1. Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.

2. Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them.

5.OA.B - Analyze patterns and relationships

3. Generate two numerical patterns using two given rules. Identify apparent relationships between corresponding terms. Form ordered pairs consisting of corresponding terms from the two patterns, and graph the ordered pairs on a coordinate plane.

Learning Objectives and Activities

Students will be able to...

- Use parentheses, brackets, or braces in numerical expressions.
- Evaluate numerical expressions with parentheses, brackets, or braces.
- Write numerical expressions that record calculations.
- Interpret numerical expressions.
- Generate two numerical patterns using two given rules.
- Identify relationships between corresponding terms in two numerical patterns.
- Form ordered pairs from two numerical patterns.
- Graph ordered pairs generated by two patterns.

Activities

Core Instructional Resource

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

Standard	EnVision Topic	EnVision Lesson
5.OA.A.1	13 - Write and Interpret Numerical Expressions	1, 4
5.OA.A.2	13 - Write and Interpret Numerical Expressions	2, 3
5.OA.B.3	15 - Algebra: Analyze Patterns and Relationships	1, 2, 3, 4

Assessments
<u>Diagnostic</u> • Beginning of Year Readiness Test • MDIS Diagnostic Assessment • Topic Review What You Know • IXL Diagnostic Assessment
<u>Formative</u> • Convince Me! Prompt (embedded) • Guided Practice (embedded) • Lesson Quick Check
<u>Summative</u> • Topic Assessment • Topic Performance Task • EnVision Cumulative / Benchmark Assessment • EnVision Progress Monitoring Assessment • Gr. 5 Math Linkit! NJSL Form A, Form B, Form C
Interdisciplinary Connections
Career Readiness, Life Literacies, and Key Skills
Technology Integration
• 9.4.5.CT.1: Identify and gather relevant data that will aid in the problem-solving process.

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

- **9.4.5.CT.4:** Apply critical thinking and problem-solving strategies to different types of problems such as personal, academic, community and global.

Career Education

- **CRP2.** Apply appropriate academic and technical skills.
- **CRP4.** Communicate clearly and effectively and with reason.
- **CRP8.** Utilize critical thinking to make sense of problems and persevere in solving them.

Time Frame	7 weeks
Topic	
Number and Operations in Base Ten	
Alignment to Standards	
5.NBT.A - Understand the place value system 1. Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and $\frac{1}{10}$ of what it represents in the place to its left. 2. Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10. 3. Read, write, and compare decimals to thousandths. - Read and write decimals to thousandths using base-ten numerals, number names, and expanded form. - Compare two decimals to thousandths based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons. 4. Use place value understanding to round decimals to any place.	
5.NBT.B - Perform operations with multi-digit whole numbers & with decimals to hundredths 5. With accuracy and efficiency, multiply multi-digit whole numbers using the standard algorithm. 6. Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.	

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

7. Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.

Learning Objectives and Activities

Students will be able to...

- Understand how the value of a digit in one place compares to the value in the place to its right or left.
- Explain patterns of zeros when multiplying a number by powers of 10.
- Use exponents to denote powers of 10.
- Explain patterns in the placement of the decimal point when a decimal is divided by a power of 10.
- Read and write decimals to thousandths.
- Compare decimals to thousandths.
- Read and write decimals to thousandths using base-ten numerals and number names.
- Use expanded form for decimals.
- Compare decimals to thousandths using the symbols $>$, $=$, and $<$.
- Round decimals to any place.
- Fluently multiply multi-digit whole numbers using the standard algorithm.
- Divide up to four-digit dividends by two-digit divisors.
- Model division of up to four-digit dividends by two-digit divisors.
- Add decimals and hundredths.
- Subtract decimals and hundredths.
- Subtract decimals using the relationship between addition and subtraction.
- Multiply decimals to hundredths.
- Divide decimals to hundredths.
- Explain strategies used to perform decimal operations.

Activities

Core Instructional Resource		
Standard	EnVision Topic	EnVision Lesson
5.NBT.A.1	1 - Understand Place Value	2, 3
5.NBT.A.2	1 - Understand Place Value	1
	3 - Fluently Multiply Multi-Digit Whole Numbers	1

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

	4 - Use Models and Strategies to Multiply Decimals	1
	6 - Use Models and Strategies to Divide Decimals	1
5.NBT.A.3a	1 - Understand Place Value	4, 7
5.NBT.A.3b	1 - Understand Place Value	5
5.NBT.A.4	1 - Understand Place Value	6
5.NBT.B.5	3 - Fluently Multiply Multi-Digit Whole Numbers	2, 3, 4, 5, 6, 7, 8, 9
5.NBT.B.6	5 - Use Models and Strategies to Divide Whole Numbers	1, 2, 3, 4, 6, 7, 8
5.NBT.B.7	2 - Use Models and Strategies to Add and Subtract Decimals	1, 2, 3, 4, 5, 6
	4 - Use Models and Strategies to Multiply Decimals	2, 3, 4, 5, 6, 7, 8, 9
	6 - Use Models and Strategies to Divide Decimals	2, 3, 4, 5, 6

Assessments

Diagnostic

- Beginning of Year Readiness Test
- MDIS Diagnostic Assessment
- Topic Review What You Know
- IXL Diagnostic Assessment

Formative

- Convince Me! Prompt (embedded)
- Guided Practice (embedded)
- Lesson Quick Check

Summative

- Topic Assessment
- Topic Performance Task
- EnVision Cumulative / Benchmark Assessment
- EnVision Progress Monitoring Assessment
- Gr. 5 Math Linkit! NJSL Form A, Form B, Form C

Interdisciplinary Connections

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

Career Readiness, Life Literacies, and Key Skills
Technology Integration
● 9.4.5.CT.1: Identify and gather relevant data that will aid in the problem-solving process. ● 9.4.5.CT.4: Apply critical thinking and problem-solving strategies to different types of problems such as personal, academic, community and global.
Career Education
● CRP2. Apply appropriate academic and technical skills. ● CRP4. Communicate clearly and effectively and with reason. ● CRP8. Utilize critical thinking to make sense of problems and persevere in solving them.

Time Frame	8 weeks
Topic	
Number and Operations - Fractions	
Alignment to Standards	
5.NF.A - Use equivalent fractions as a strategy to add and subtract fractions 1. Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators 2. Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators, e.g., by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers.	
5.NF.B - Apply and extend previous understandings of multiplication and division to multiply and divide fractions 3. Interpret a fraction as division of the numerator by the denominator. Solve word problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers, e.g., by using	

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

visual fraction models or equations to represent the problem.

4. Apply and extend previous understandings of multiplication to multiply a fraction or whole number by a fraction.

- Interpret the product $(a/b) \times q$ as a part of a partition of q into b equal parts; equivalently, as the result of a sequence of operations $a \times q / b$.
- Find the area of a rectangle with fractional side lengths by tiling it with unit squares of the appropriate unit fraction side lengths, and show that the area is the same as would be found by multiplying the side lengths. Multiply fractional side lengths to find areas of rectangles, and represent fraction products as rectangular areas.

5. Interpret multiplication as scaling (resizing), by:

- Comparing the size of a product to the size of one factor on the basis of the size of the other factor, without performing the indicated multiplication.
- Explaining why multiplying a given number by a fraction greater than 1 results in a product greater than the given number (recognizing multiplication by whole numbers greater than 1 as a familiar case); explaining why multiplying a given number by a fraction less than 1 results in a product smaller than the given number; and relating the principle of fraction equivalence $a/b = (n \times a) / (n \times b)$ to the effect of multiplying a/b by 1.

6. Solve real world problems involving multiplication of fractions and mixed numbers, e.g., by using visual fraction models or equations to represent the problem.

7. Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions.

- Interpret division of a unit fraction by a non-zero whole number, and compute such quotients.
- Interpret division of a whole number by a unit fraction, and compute such quotients.
- Solve real world problems involving division of unit fractions by non-zero whole numbers and division of whole numbers by unit fractions, e.g., by using visual fraction models and equations to represent the problem.

Learning Objectives and Activities

Students will be able to...

- Add fractions with unlike denominators.
- Add mixed numbers with unlike denominators.
- Subtract fractions with unlike denominators.
- Subtract mixed numbers with unlike denominators.
- Solve word problems involving addition of fractions.
- Solve word problems involving subtraction of fractions.
- Estimate mentally and assess the reasonableness of a fraction sum or difference.
- Interpret a fraction as division.
- Solve word problems involving division of whole numbers with answers that are fractions or mixed numbers.

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

- Multiply a whole number by a fraction.
- Multiply a fraction by a fraction.
- Interpret the product of a fraction and a whole number.
- Relate multiplication of fractions and the area of a rectangle with fractional side lengths.
- Interpret multiplication as scaling (resizing).
- Predict the size of a product compared to the size of one factor on the basis of the size of the other factor.
- Explain the effect of multiplying a given number by a fraction greater than 1, less than 1, or equal to 1.
- Solve real-world problems involving multiplication of fractions.
- Solve real-world problems involving multiplication of mixed numbers.
- Divide whole numbers and unit fractions.
- Interpret division of a unit fraction by a whole number.
- Interpret division of a whole number by a unit fraction.
- Solve real-world problems involving division of fractions and whole numbers.

Activities

Core Instructional Resource		
Standard	EnVision Topic	EnVision Lesson
5.NF.A.1	7 - Use Equivalent Fractions to Add and Subtract Fractions	2, 3, 4, 5, 8, 9, 10, 11
5.NF.A.2	7 - Use Equivalent Fractions to Add and Subtract Fractions	1, 6, 7, 12
5.NF.B.3	9 - Apply Understanding of Division to Divide Fractions	1, 2
5.NF.B.4a	8 - Apply Understanding of Multiplication to Multiply Fractions	1, 2, 3, 4, 5
5.NF.B.4b	8 - Apply Understanding of Multiplication to Multiply Fractions	6
5.NF.B.5a	8 - Apply Understanding of Multiplication to Multiply Fractions	8
5.NF.B.5b	8 - Apply Understanding of Multiplication to Multiply Fractions	8
5.NF.B.6	8 - Apply Understanding of Multiplication to Multiply Fractions	7, 9
5.NF.B.7a	9 - Apply Understanding of Division to Divide Fractions	5, 6, 8
4.NF.B.7b	9 - Apply Understanding of Division to Divide Fractions	3, 4

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

4.NF.B.7c	9 - Apply Understanding of Division to Divide Fractions	7
Assessments		
<u>Diagnostic</u> • Beginning of Year Readiness Test • MDIS Diagnostic Assessment • Topic Review What You Know • IXL Diagnostic Assessment		
<u>Formative</u> • Convince Me! Prompt (embedded) • Guided Practice (embedded) • Lesson Quick Check		
<u>Summative</u> • Topic Assessment • Topic Performance Task • EnVision Cumulative / Benchmark Assessment • EnVision Progress Monitoring Assessment • Gr. 5 Math Linkit! NJSLs Form A, Form B, Form C		
Interdisciplinary Connections		
<u>NJSLS: Science</u> • EnVision Topic 7: 3 Act Math: The Gif Recipe - • 3-5-ETS1-3 Plan and carry out fair tests in which variables are controlled and failure points are considered to identify • aspects of a model or prototype that can be improved.		
Career Readiness, Life Literacies, and Key Skills		
Technology Integration		
• 9.4.5.CT.1: Identify and gather relevant data that will aid in the problem-solving process.		

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

- **9.4.5.CT.4:** Apply critical thinking and problem-solving strategies to different types of problems such as personal, academic, community and global.

Career Education

- **CRP2.** Apply appropriate academic and technical skills.
- **CRP4.** Communicate clearly and effectively and with reason.
- **CRP8.** Utilize critical thinking to make sense of problems and persevere in solving them.

Time Frame	5 weeks
Topic	
Measurement	
Alignment to Standards	
5.M.A - Convert like measurement units within a given measurement system 1. Convert among different-sized standard measurement units within a given measurement system (e.g., convert 5 cm to 0.05 m), and use these conversions in solving multi-step, real world problems.	
5.M.B - Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition 2. Recognize volume as an attribute of solid figures and understand concepts of volume measurement. a. A cube with side length 1 unit, called a “unit cube,” is said to have “one cubic unit” of volume, and can be used to measure volume. b. A solid figure which can be packed without gaps or overlaps using n unit cubes is said to have a volume of n cubic units. 3. Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft, and non-standard units. 4. Relate volume to the operations of multiplication and addition and solve real world and mathematical problems involving volume. a. Find the volume of a right rectangular prism with whole-number side lengths by packing it with unit cubes, and show that the volume is the same as would be found by multiplying the edge lengths, equivalently by multiplying the height by the area of the base. Represent threefold whole-number products as volumes, e.g., to represent the associative property of multiplication. b. Apply the formulas $V = l \times w \times h$ and $V = B \times h$ for rectangular prisms to find volumes of right rectangular prisms with whole number edge lengths in the context of solving real world and mathematical problems.	

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

- c. Recognize volume as additive. Find volumes of solid figures composed of two non-overlapping right rectangular prisms by adding the volumes of the non-overlapping parts, applying this technique to solve real world problems.

Learning Objectives and Activities

Students will be able to...

- Convert measurement units.
- Use conversions to solve real-world problems.
- Recognize volume as an attribute of solid figures.
- Understand concepts of volume measurement.
- Understand concept of cubic unit.
- Relate n unit cubes to a volume of n cubic units.
- Measure volumes by counting unit cubes in improvised units.
- Relate volume to the operations of multiplication and addition.
- Solve real-world and mathematical problems involving volume.
- Show that the volume of a right rectangular prism can be found by multiplying the edge lengths.
- Show that the volume of a right rectangular prism can be found by multiplying the height by the area of the base.
- Represent threefold whole-number products as volumes.
- Use the formulas $V = l \times w \times h$ and $V = b \times h$ for rectangular prisms.
- Find volumes of solid figures composed of two non-overlapping right rectangular prisms.

Activities

Core Instructional Resource		
Standard	EnVision Topic	EnVision Lesson
5.M.A.1	12 - Convert Measurements	1, 2, 3, 4, 5, 6, 7, 8, 9
5.M.B.2a	11 - Understand Volume Concepts	1, 2, 5
5.M.B.2b	11 - Understand Volume Concepts	1, 5
5.M.B.3	11 - Understand Volume Concepts	1, 2, 5
5.M.B.4a	11 - Understand Volume Concepts	2
5.M.B.4b	11 - Understand Volume Concepts	2

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

5.M.B.4c	11 - Understand Volume Concepts	3, 4
Assessments		
<u>Diagnostic</u> • Beginning of Year Readiness Test • MDIS Diagnostic Assessment • Topic Review What You Know • IXL Diagnostic Assessment		
<u>Formative</u> • Convince Me! Prompt (embedded) • Guided Practice (embedded) • Lesson Quick Check		
<u>Summative</u> • Topic Assessment • Topic Performance Task • EnVision Cumulative / Benchmark Assessment • EnVision Progress Monitoring Assessment • Gr. 5 Math Linkit! NJSL Form A, Form B, Form C		
Interdisciplinary Connections		
Career Readiness, Life Literacies, and Key Skills		
Technology Integration		
• 9.4.5.CT.1: Identify and gather relevant data that will aid in the problem-solving process. • 9.4.5.CT.4: Apply critical thinking and problem-solving strategies to different types of problems such as personal, academic, community and global.		
Career Education		
• CRP2. Apply appropriate academic and technical skills.		

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

- **CRP4.** Communicate clearly and effectively and with reason.
- **CRP8.** Utilize critical thinking to make sense of problems and persevere in solving them.

Time Frame	3 weeks
Topic	
Data Literacy	
Alignment to Standards	
5.DL.A - Understand and analyze data visualizations 1. Understand how different visualizations can highlight different aspects of data. Ask questions and interpret data visualizations to describe and analyze patterns. 2. Develop strategies to collect, organize and represent data of various types and from various sources. Communicate results digitally through a data visual (e.g. chart, storyboard, video presentation). 3. Collect and clean data to be analyzable (e.g., make sure each entry is formatted correctly, deal with missing or incomplete data). 4. Using appropriate visualizations (i.e. double line plot, double bar graph), analyze data across samples. 5.DL.B - Represent and interpret data 5. Make a line plot to display a data set of measurements in fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$). Use operations on fractions for this grade to solve problems involving information presented in line plots.	
Learning Objectives and Activities	
Students will be able to... • Solve problems involving fraction operations by using measurement data in line plots. • Make a line plot to display a data set of measurements in fractions of a unit.	
Activities	
Core Instructional Resource	

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

Standard	EnVision Topic	EnVision Lesson
5.DL.A.2	MDIS Lessons	I60, I61, I69
5.DL.A.3	MDIS Lessons	I57, I58, I59
5.DL.A.4	MDIS Lessons	I60, I71
5.DL.B.5	10 - Represent and Interpret Data	1, 2, 3, 4

Assessments

Diagnostic

- Beginning of Year Readiness Test
- MDIS Diagnostic Assessment
- Topic Review What You Know
- IXL Diagnostic Assessment

Formative

- Convince Me! Prompt (embedded)
- Guided Practice (embedded)
- Lesson Quick Check

Summative

- Topic Assessment
- Topic Performance Task
- EnVision Cumulative / Benchmark Assessment
- EnVision Progress Monitoring Assessment
- Gr. 5 Math Linkit! NJSL Form A, Form B, Form C

Interdisciplinary Connections

Career Readiness, Life Literacies, and Key Skills

Technology Integration

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

- **9.4.5.CT.1:** Identify and gather relevant data that will aid in the problem-solving process.
- **9.4.5.CT.4:** Apply critical thinking and problem-solving strategies to different types of problems such as personal, academic, community and global.
- **9.4.5.IML.3:** Represent the same data in multiple visual formats in order to tell a story about the data.

Career Education

- **CRP2.** Apply appropriate academic and technical skills.
- **CRP4.** Communicate clearly and effectively and with reason.
- **CRP8.** Utilize critical thinking to make sense of problems and persevere in solving them.

Time Frame	4 weeks
Topic	
Geometry	
Alignment to Standards	
4.G.A - Graph points on the coordinate plane to solve real-world and mathematical problems 1. Use a pair of perpendicular number lines, called axes, to define a coordinate system, with the intersection of the lines (the origin) arranged to coincide with the 0 on each line and a given point in the plane located by using an ordered pair of numbers, called its coordinates. Understand that the first number indicates how far to travel from the origin in the direction of one axis, and the second number indicates how far to travel in the direction of the second axis, with the convention that the names of the two axes and the coordinates correspond (e.g., x-axis and x-coordinate, y-axis and y-coordinate). 2. Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation. 4.G.A - Classify two-dimensional figures into categories based on their properties 3. Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category. 4. Classify two-dimensional figures in a hierarchy based on properties.	

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

Learning Objectives and Activities

Students will be able to...

- Understand a coordinate system.
- Graph points in the first quadrant of the coordinate plane.
- Interpret coordinate values of points in the first quadrant of the coordinate plane.
- Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category.
- Classify two-dimensional figures in a hierarchy based on properties.
- Use a Venn diagram to organize two-dimensional figures based on the attributes of the figures.

Activities

Core Instructional Resource		
Standard	EnVision Topic	EnVision Lesson
5.G.A.1	14	1
5.G.A.2	14	2, 3, 4
5.G.B.3	16	1, 2, 3, 4
5.G.B.4	16	1, 2, 3, 4

Assessments

Diagnostic

- Beginning of Year Readiness Test
- MDIS Diagnostic Assessment
- Topic Review What You Know
- IXL Diagnostic Assessment

Formative

- Convince Me! Prompt (embedded)
- Guided Practice (embedded)
- Lesson Quick Check

Summative

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

- Topic Assessment
- Topic Performance Task
- EnVision Cumulative / Benchmark Assessment
- EnVision Progress Monitoring Assessment
- Gr. 5 Math Linkit! NJSL Form A, Form B, Form C

Interdisciplinary Connections

Career Readiness, Life Literacies, and Key Skills

Technology Integration

- **9.4.5.CT.1:** Identify and gather relevant data that will aid in the problem-solving process.
- **9.4.5.CT.4:** Apply critical thinking and problem-solving strategies to different types of problems such as personal, academic, community and global.

Career Education

- **CRP2.** Apply appropriate academic and technical skills.
- **CRP4.** Communicate clearly and effectively and with reason.
- **CRP8.** Utilize critical thinking to make sense of problems and persevere in solving them.

Modifications (ELL, Special Education, At-Risk Students, Gifted & Talented, & 504 Plans)

ELL:

- Work toward longer passages as skills in English increase
- Use visuals
- Introduce key vocabulary before lesson
- Teacher models reading aloud daily
- 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:

Home of the Spartans!
#spartanlegacy





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.

DEPARTMENT : Mathematics

COURSE : Grade 5

- 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

At-Risk Students:

- Guided notes and/or scaffold outline for written assignments
- Introduce key vocabulary before lesson
- Work in a small group
- Lesson taught again using a differentiated approach
- Allow answers to be given orally or dictated
- Use visuals / Anchor Charts
- Leveled texts according to ability

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

Home of the Spartans!
#spartanlegacy

