

Mrs. Crotty
Quarterly Plans
Third Quarter
2015-2016

Grade 8 Math

During the third quarter we will finish Unit 1 “Expressions and Equations.” We will begin Unit 2 “Linear Functions.” Unit 2 is made up of 4 chapters and we will complete Chapter 4, Chapter 5 and begin Chapter 6. For each chapter students will be required to complete daily homework (Monday-Thursday), worksheets, quizzes, chapter review, and content tests. Students will also be taking notes and completing class work on a daily basis.

Chapter 4 “Graphing Relations and Functions”

Students will be able to:

- Locate and graph points on a coordinate plane
- Transform figures by using reflections, translations, dilations, and rotations
- Represent relations as sets of ordered pairs, tables, mappings, and graphs
- Find the inverse of relations
- Use an equation to determine the range for a given domain
- Graph the solution set for a given domain
- Determine whether an equation is linear
- Graph linear equations
- Determine whether the graph is a function
- Find the function values
- Recognize arithmetic sequences
- Extend and write formulas for sequences
- Look for patterns
- Write an equation given some of the solutions

Chapter 5 “Analyzing Linear Equations”

Students will be able to:

- Find the slope of a line
- Use rate of change to solve problems
- Write and graph direct variation equations
- Solve problems involving direct variation
- Write and graph linear equations in slope-intercept form
- Model real-world data with an equation in slope-intercept form
- Write an equation of a line given the slope and one point on a line
- Write an equation of a line given two points on the line
- Write the equation of a line in point-slope form

Write linear equations in different forms
Write an equation of the line that passes through a given point, parallel to a given line
Write an equation of the line that passes through a given point, perpendicular to a given line
Interpret points on a scatter plot
Write equations for lines of fit

Chapter 6 “Solving Linear Inequalities”

Students will be able to:

- Solve linear inequalities by using addition and subtraction
- Solve linear inequalities by using multiplication and division
- Solve linear inequalities involving more than one operation
- Solve linear inequalities involving the Distributive Property
- Solve compound inequalities containing *and* and *or* and graph their solution set
- Solve absolute value equations and inequalities

Grade 7 Math

During the third quarter we will finish Unit 2 “Algebra and Rational Numbers.” This unit is made up of three chapters, chapters four through six. For each chapter students will be required to complete daily homework (Monday-Thursday), worksheets, quizzes, chapter review, and content tests. Students will also be taking notes and completing class work on a daily basis.

Chapter 5 “Rational Numbers”

Students will be able to:

- Write fractions as terminating or repeating decimals
- Compare fractions and decimals
- Write rational numbers as fractions
- Identify and classify rational numbers
- Multiply fractions
- Use dimensional analysis to solve problems
- Divide fractions using multiplicative inverse
- Use dimensional analysis to solve problems
- Add like fractions
- Subtract like fractions
- Find the least common multiple of two or more numbers
- Find the least common denominator of two or more numbers
- Add unlike fractions
- Subtract unlike fractions
- Use the mean, median, and mode as measures of central tendency
- Analyze data using mean, median, and mode
- Solve equations containing rational numbers
- Find the terms of arithmetic sequences

Find the terms of geometric sequences

Chapter 6 “Ratio, Proportion, and Percent”

Students will be able to:

- Write ratios as fractions in simplest form
- Determine unit rates
- Solve proportions
- Construct and use scale drawings
- Express percents as fractions and vice versa
- Express percents as decimals and vice versa
- Use the percent proportion to solve problems
- Compute mentally and estimate percents
- Solve percent problems using percent equations
- Find percent of increase and decrease
- Find probability of simple events

Grade 6 Math

During the third quarter we will begin Unit 3 “Fractions.” This unit is made up of three chapters, chapter five through seven. For each chapter students will be required to complete daily homework (Monday-Thursday), worksheets, quizzes, chapter review, and content tests. Students will also be taking notes and completing class work on a daily basis.

Chapter 5 “Fractions and Decimals”

Students will be able to:

- Find the Greatest Common Factor of two or more numbers
- Express fractions in simplest form
- Write mixed numbers as improper fractions and vice versa
- Find the Least Common Multiple of two or more numbers
- Compare and order fractions
- Write decimals as mixed numbers or fractions in simplest form
- Write fractions as terminating and repeating decimals

Chapter 6 “Adding and Subtracting Fractions”

Students will be able to:

- Round fractions and mixed numbers
- Add and subtract fractions with like denominators
- Add and subtract fractions with unlike denominators
- Add and subtract mixed numbers
- Subtracting mixed numbers involving renaming

Chapter 7 “Multiplying and Dividing Fractions”

Students will be able to:

- Multiply fractions
- Divide fractions

Divide mixed numbers
Recognize and extend sequences

Grade 8 Wordskills

Grade 8 will be using Wordskills by McDougal Littell Level 10 in the third quarter. Students will complete 1 unit per week and be tested on spelling and vocabulary (definitions and uses of words). Students will be concentrating on the basic principles this year:

- Words in context
- Strategies for determining word meanings
- Systematic reinforcement
- Relationships between words
- Usable vocabulary
- Applications

Students will complete units 1-9 in the Third quarter, completing one unit per week. Points per unit will vary because we may not complete all sections of each unit. Each Friday students will be tested on spelling and meanings of words.

Grade 8 History

The book American History – Beginnings to 1914 by McDougal Littell will be used for History. During the second quarter students will complete Unit 3 “Creating a New Nation.” For each chapter students will be completing daily homework (Monday-Thursday), worksheets, comprehension questions, graphic organizers, quizzes, tests, and participating in class discussions.

Chapter 6 “The Road to Revolution” 1763-1776

Students will be able to

- Identify reasons why the American colonies and Britain began to grow apart
- Describe the ways that the colonists defied the rules of Parliament
- Identify the ways that Britain tightened its control over the colonies
- Explain how colonists protested British rule
- Analyze why colonists felt that Britain was interfering in their economic matters
- Describe the Intolerable Acts and how the colonists reacted to them
- Explain why the revolution began
- Summarize what happened during the siege of Boston
- Describe how the conflict began to spread
- Explain why the rebellion became a revolution

Chapter 7 “The American Revolution”

Students will be able to:

- Describe how the war divided Americans
- Summarize problems each side face while preparing for war

Explain Washington's strategy and the war in the middle states
Evaluate Britain's Northern strategy
Analyze the effects of the Battle of Saratoga
Identify reasons why Spain and France entered the war
Summarize the effects of the winter at Valley Forge on the American Army
Explain how and why fighting spread to frontier
Explain how the Americans expanded the naval war
Explain what happened when the war moved to the South
Describe how the war ended
Summarize the costs of the war
Explain the terms of the Treaty of Paris
Identify the ideas on which a new nation was created following the Revolution

Chapter 8 "Confederation to Constitution"

Students will be able to:

Explain why the states joined together to form a new government
Describe the strengths and weaknesses of the Articles of Confederation
Identify the reasons why there was a call for the Constitutional Convention
Explain how the Convention resolved challenges over slavery
Explain why the Federalists supported ratification of the Constitution and why the Antifederalists opposed it
Analyze the Bill of Rights

Grade 8 Literature

The book Elements of Literature will be used for eighth grade Literature. During the Third quarter we will cover Collection 3 "Being There." While completing this unit the students will be complete worksheets, quizzes, comprehension questions, tests, and participate in class discussions. We will also begin the novel *Johnny Tremain* by Ester Forbes during the third quarter. We will use Literature Circles, meeting in small groups and large groups during the novel.

"In Trouble" from *Woodson*
True Narrative
"Fast, Strong, and Friendly Too"
Article
"There Will Come Soft Rains"
Short Story
"The Circuit"
Short Story
"Cesar Chavez: He Made a Difference"
Article

“The Flying Machine”
Short Story
“The Dragon”
Graphic Story
“The Fog Horn”
Short Story
“Shipwreck at the Bottom of the World”
History
“The Diary of Anne Frank”
Play

Grade 8 Religion

The book Confirmation – Filled with the Holy Spirit, they proclaimed the Lord Jesus will be used for eighth grade Confirmation Preparation. A formal religion class will be taught four days a week. On Tuesdays we will attend mass.

Students will be able to:

- Describe that Confirmation completes Baptism and strengthens us as members of the Body of Christ, the Church.
- Discuss that Confirmation renews in us the Gifts of the Holy Spirit.
- Explain the ritual symbols of Confirmation.
- Explain the effects of celebrating the sacrament of Confirmation.
- Review the rite of Confirmation.
- Explain the reaction of Jesus’ disciples to his teaching about wealth and the kingdom of God.
- Describe what it means to be a disciple of Jesus Christ.
- Describe the ways Confirmation strengthens us as disciples of Jesus.
- Demonstrate an understanding of the values for living a simpler life.