

Teacher(s) Harvey, Rodriguez, Ryan, Snead

Aug 2014 – June 2015

The Course Organizer

Student:

Class Period

This Course: 6th Grade Math

is
about

using ratios and proportions, fractions, decimals and how they relate to each other.

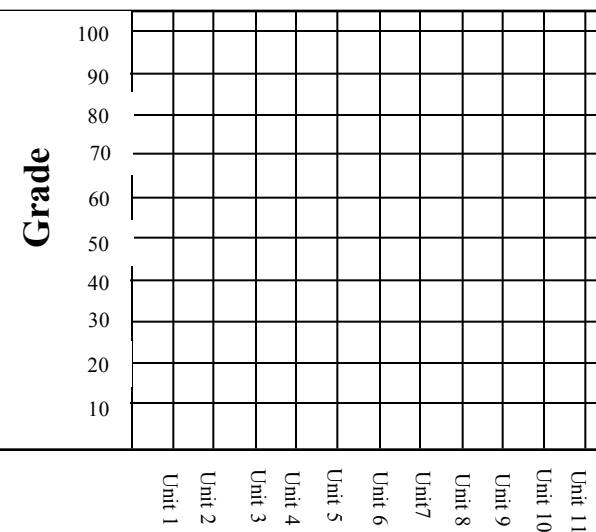
Course Questions:

1. How do I use rational numbers to generate an equivalent value?
2. How do I use math operations to solve problems, predict outcomes, and justify my solutions?
3. How do I solve problems using percents?
4. How do I model and solve one-step equations and inequalities?
5. How do I convert units using proportions and unit rates?
6. How do I solve for area of polygons and volume of rectangular prisms?
7. How do I identify paths between points on a coordinate plane (four quadrants)?
8. How do I summarize central tendency?
9. How do I summarize categorical data using mode and percent values to describe the data distribution?
10. How do I interpret numerical data in plots and histograms?

Course Standards

What?	How?	Value?
Major	End of Unit Test Projects	65%
Quiz	Weekly	(2 daily grades)
Daily	Class work Homework	35%

Course Progress Graph



Unit Assessments

Course Map

This Course: **6th Grade Math**

Student: _____

includes

Community Principles

- Trustworthy
- Respectful
- Attentive
- Cooperative
- Kind
- Self-Disciplined

Learning Rituals

PAWS	Mnemonics
CHAMPS	Planners
SIM	Small Groups
NOO	Warm-ups
STAAR Chart	Concept Anchor
Unit Organizer	Tracking Sheet
Frame	Class Expectations
Materials Management	
Interactive Journal/Binder	

Performance Options

Re-Teach	Test
Study Partner	Quiz
Choices	
Peer Tutor	
Structured Notebook	
Color-Coded	
Flash Cards	
Class Test Review	
Homework	

Critical Concepts

Equivalent Form	Financial Literacy
Proportional Reasoning	Geometry
Integers	Equations
Rational #s	Graphical Representations
Unit Rate	
Ratios	
Percents	

Learned in these Units

Unit 1 – Equivalent Forms of Fractions, Decimals, and Percents (10 Days)

Unit 2 – Ordering Fractions, Decimals, and Integers (5 Days)

Unit 3 – Operations with Positive Fractions and Decimals (10 Days)

Unit 4 – Operations with Integers (10 Days)

Unit 5 – Proportional Reasoning with Ratios and Rates (15 Days)

Unit 6 – Equivalent Expressions and One-Variable Equations (13 Days)

Unit 7 – One-Variable Inequalities (12 Days)

Unit 8 – Algebraic Representations of Two-Variable Relationships (12 Days)

Unit 9 – Geometry and Measurement (13 Days)

Unit 10 – Data Analysis (20 Days)

Unit 11 – Data Analysis continued (20 Days)