



8th Grade Resource Math
Course Syllabus
Aug 2020 – May 2021



Contact Information:

Instructor: Dr. Cara Carson
Room: 303

Email: ccarson@amphi.com
Phone: (520) 696-6761

Course Description:

This year will be an exciting year in your journey through mathematics! We will be studying the following topics throughout the course of the year:

- Topic 1: Real Numbers
- Topic 2: Analyze and Solve Linear Equations
- Topic 3: Analyze and Solve Linear Equations
- Topic 4: Investigate Bivariate Data
- Topic 5: Analyze and Solve Systems of Linear Equations
- Topic 6: Congruence and Similarity
- Topic 7: Understand and Apply the Pythagorean Theorem
- Topic 8: Solve Problems Involving Surface Area and Volume

Learning Objectives:

As we move through our course topics the following learning objectives will be aligned to all lessons and assessments:

- Objective 1: Know that there are numbers that are not rational, and approximate them by rational numbers.
- Objective 2: Work with radicals and integer exponents.
- Objective 3: Analyze and solve linear equations and pairs of simultaneous linear equations.
- Objective 4: Understand the connections between proportional relationships, lines, and linear equations.
- Objective 5: Define, evaluate, and compare functions.
- Objective 6: Use functions to model relationships between quantities.
- Objective 7: Investigate patterns of association in bivariate data.
- Objective 8: Analyze and solve linear equations and pairs of simultaneous linear equations.
- Objective 9: Understand congruence and similarity using physical models, transparencies, or geometry software.
- Objective 10: Understand and apply the Pythagorean Theorem.
- Objective 11: Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.

Materials and Resources:

Required Materials:

- (1) Single Subject Spiral Notebook
- (1) Highlighter
- (1) Correcting Pen
- Pencils/Erasers

Recommended Materials:

- Ruler
- Compass
- Protractor
- Calculator (TI-30X)
- Colored Pencils

Classroom Donations:

- Tissues
- Dry Erase Markers
- Hand Sanitizer
- Graph Paper

Online Resources:

- Pearson **enVisionmath2.0** – Grade 8 – Student Edition Vol. 1 & Vol. 2
- www.PearsonRealize.com – Online management system for **enVisionmath2.0**
- lsc.cornell.edu/notes.html – The Cornell Note-taking System
- www.azed.gov/standards-practices/ – Arizona Academic Standards

Policies and Expectations:

Absent:

It is the student's responsibility to obtain any make-up work. Students will have the amount of days they were absent, plus a day, to submit any make-up work.

Tardy:

It is the student's responsibility to be on time to class. Emergency tardiness may be considered on a case-by-case basis.

Homework:

It is the student's responsibility to complete assignments on time. Students must show work to get full credit.

Late Assignments:

One point, per day, will be deducted on any late assignments.

Food/Drinks:

No food or drinks are allowed inside the classroom. Gum is not allowed anywhere on La Cima Middle School campus. Water is allowed and is always provided in the classroom.

Cell Phones:

Cell phones are not allowed in the classroom. Phones may be confiscated at the teacher's discretion.

Test Re-takes:

You may re-take ANY test one time. You must re-take a test before the next test is given. Re-takes must take place before school, after school, or during lunch.

- Cardinal Code:*
1. **Be Positive**
 2. **Be Respectful**
 3. **Be Ready to Learn**
 4. **Be Safe**
 5. **Be a Problem Solver**

Cardinal Pride Tickets: **Positive examples of the Cardinal Code are reinforced through earning ‘Cardinal Pride Tickets’.** These are earned at the teacher’s discretion and are in addition to daily praise in the classroom. Tickets can be used in classroom drawings for prizes and/or used to buy prizes. (*Only for Dr. Carson’s classroom/assignments and drawings are done at teacher’s discretion.)

Potential Prize Awards Include:

- Homework Pass for 1 Assignment
- Note-taking Pass for 1 Lesson
- Call/Note Home for Positive Cardinal Character
- Class Decides a Reward!

Reinforcement Steps: **It is the student’s responsibility to maintain positive behavior.** The positive behavioral support steps include:

1. *Verbal reminder of Cardinal Code*
2. *Teacher/Student Conference w/ Behavior Plan*
3. *Parent/Student/Teacher Conference w/ Behavior Plan*
4. *Office Referral*

Grading:

Grade Breakdown:

- Class/Homework – 40%
- Assessments – 40%
- Notebook – 20%

Grade Scale:

- A = 90 – 100%
- B = 80 – 89%
- C = 70 – 79%
- D = 60 – 69%
- F = 50 – 59%

I have read and understand the descriptions outlined in the syllabus for 8th Grade Resource Math 2020-2021. If I have any questions, comments, or concerns, I will contact Dr. Carson directly.

STUDENT: _____

DATE: _____

PARENT: _____

DATE: _____

Please return signed portion to class. Thank you!