**Central Academy**

**2014-2015**

**Pre-Algebra Syllabus**

**Mr. Meyer**

**General Class Description**

Mathematics encompasses arithmetic, measurement, algebra, geometry, trigonometry, statistics, probability and other fields. It deals with numbers, quantities, shapes and data, as well as numerical relationships and operations. Confronting, understanding and solving problems is at the heart of mathematics. Mathematics is much more than a collection of concepts and skills; it is a way of approaching new challenges through investigating, reasoning, visualizing and problem solving with the goal of communicating the relationships observed and problems solved to others.

**Pre-Algebra Common Core Topics and Concepts**

The Tools of Algebra and Integers

Expressions and Equations

Factors and Fractions

Rational Numbers

Ratio, Proportion, and Percent

Multi-Step Equations and Inequalities

Functions and Graphing

Polynomials and Nonlinear Functions

Real Numbers and Right Triangles

Two Dimensional Figures

Three Dimensional Figures

Statistics and Probability

**Materials**

Students MUST bring the following materials to class every day:

* At least 2 pencils with erasers
* Math notebook
* Math folder
* Math textbook
* Calculator

**Grading Scale**

Tests – 30%

Quizzes – 20%

Homework – 40%

Participation (Math notebook) – 10%

|  |  |
| --- | --- |
| **Letter Grade** | **Percentage (%)** |
| **A** | 93 – 100 |
| **A-** | 90 – 92 |
| **B+** | 88 – 89 |
| **B** | 83 – 87 |
| **B-** | 80 – 82 |
| **C+** | 78 – 79 |
| **C** | 73 – 77 |
| **C-** | 70 – 72 |
| **D+** | 68 – 69 |
| **D** | 63 – 67 |
| **D-** | 60 – 62 |
| **E** | Below 60 is failing |

**Students** earn the grade “**A**” by:

* Consistently showing superior knowledge of the subject matter.
* Always completing assignments neatly and on time.
* Using all resources available to prepare for assessments.
* Participate in class and take organized and detailed notes in their math notebook.
* Promote the learning environment.

**Students** earn the grade “**B**” by:

* Usually showing good knowledge of the subject matter.
* Almost always completing assignments neatly and on time.
* Using some resources available to prepare for assessments.
* Participate in class and take organized and detailed notes in their math notebook.
* Promote the learning environment.

**Students** earn the grade “**C**” by:

* Showing average knowledge of the subject matter.
* Completing some assignments neatly and on time.
* Occasionally using resources to prepare for assessments.
* Occasionally participating in class and taking disorganized notes which lack detail in their math notebook.
* Sometimes detracting from the learning environment.

**Student Responsibilities**

Students are responsible for following school policies with regards to uniforms, attendance, and behavior. Refer to classroom procedures for daily responsibilities.

**Student Keys to Success in Mr. Meyer’s Classroom**

* **Attend class** every day.
* Do all the **assignments**.
* **Attempt** every problem.
* Always **copy the problem** before working it. (Exception: word problems.)
* Draw **pictures** when appropriate.
* Always **show your work**.
* **Take detailed notes** during instruction.
* Make sure you understand the material and **let me know** if you don’t.
* **Read** your book. **Preview** the section before we go over it in class. Pay close attention to **bold and highlighted** text.
* Use the **resources** that come with the book including the online site, glossary, index, end page formulas and answers.
* If your answer is not correct, find out **why** you missed it.
* If you are having problems, **ask for help**!
* Pay close attention to **details** and **double check** your answers.
* **Do not be misled** by students who may be making poor choices. **Decide** your own success!
* **Take pride** in your work!

**Parent/Guardian**

I am looking forward to teaching math to your 6th grader this coming school year. I understand that every student is different and while some enjoy math, it can be a struggle for others. I will provide support for struggling students and challenge quick learners, but I need your help. Please contact me anytime about any concerns or ideas for your student.

**Email:** meyerj@gee-edu.com

**Class webpage:** http://meyermath1.weebly.com/

**Twitter:** https://twitter.com/meyermath1

**Please sign and return the second day of class.**

**Student Name (Please print): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**