

6<sup>th</sup> Grade Math  
Walton-Verona Middle School  
2017-2018

Instructor: Kelsey Morehead

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Time of Plan Period: 7:55 – 8:50 Grade level: 6

**Description:**

*This course is a standards-focused, student-centered program in which students will approach mathematical concepts in the following ways: directed for basic mathematics principle including examples and practice, guided through a combination of direct instruction and investigatory learning, investigative activities that allow students to explore and discover mathematics concepts through a contextual setting. This course is designed to meet mastery level of Kentucky's Common Core Standards for 6<sup>th</sup> grade.*

**Course Standards:**

*Students will:*

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics
5. Use the appropriate tools strategically.
6. Attend to precision
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

**Daily Materials:**

- Carnegie Learning Middle School Math Solution Course 1 (provided by instructor)
- Binder
- Paper/Notebook
- Pencils
- TI-30XA/ TI-30X Calculator (4 function calculator)
- Expo Markers (students will be required to have their own dry erase marker in order to use individual white boards)

**General Outline:**

The updated version of Carnegie Learning has divided the book in to 5 Modules, each containing 2-3 Topics. Tests will be given at the end of each Topic.

Module 1: Composing and Decomposing

- Topic 1: Factors and Area
- Topic 2: Positive Rational Numbers
- Topic 3: Decimals and Volume

Module 2: Relating Quantities

- Topic 1: Ratios
- Topic 2: Percents
- Topic 3: Unit Rates and Conversions

Module 3: Determining Unknown Quantities

- Topic 1: Expressions
- Topic 2: Equations
- Topic 3: Graphing Quantitative Relationships

Module 4: Moving Beyond Positive Quantities

- Topic 1: Signed Numbers
- Topic 2: The Four Quadrants

Module 5: Describing Variability of Quantities

- Topic 1: The Statistical Process
- Topic 2: Numerical Summaries of Data

*In addition to the general outline, students will review pre-requisite content and investigate enrichment content as appropriate.*

### **Grading:**

Students will be graded in two primary areas; work ethic (30%) and content (70%). Work ethic will be comprised of in class participation, bell ringers, and weekly homework. Content will be comprised of quizzes, projects, and tests.

The following grading scale is used to convert percentage grades to letter grades:

- A 94.5-100
- B 87.5-94.4
- C 76.5-87.4
- D 69.5-76.4
- F 69.4 & Below

### **Participation & Attendance:**

Attendance is critical. Students are expected to give their best effort both in class and at home throughout the year. Each student will maintain one binder in which they are to keep all notes, homework, class exercises, projects, quizzes and tests. Additionally, students are expected to complete with detailed explanations the assigned activities in the Carnegie Learning text (Carnegie Learning work will need to stay in textbook). Homework, class work, projects, and other assignments are to be completed and turned in on the due date specified. Late work will be accepted, but may be addressed by the teacher if it becomes a habit. If a student must be absent he/she is responsible for retrieving makeup work from the teacher and/or a responsible classmate. Absent work will be available in a designated location in the classroom. Students have the equivalent of the number of days missed to complete absent work.

### **Important and useful class resources:**

- Google Classroom: Login to your Google account and find Google Classroom in the waffle in the upper right hand corner. Use the access code 94462m to gain access to my class.
- Infinite Campus Messenger
- Remind App: Join online at <https://www.remind.com/join/fdckd> or text @fdckd to the number 81010

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Please sign, detach, and return this portion only no later than Monday, August 14<sup>th</sup>, 2017

I, \_\_\_\_\_, along with my parent(s)/guardian(s) have read the syllabus for Ms. Morehead's math class and understand the procedures and expectations for the year.

PRINT STUDENT'S NAME \_\_\_\_\_

Student Signature: \_\_\_\_\_

Parent/Guardian Signature: \_\_\_\_\_

Please circle Yes or No for the following:

Y / N My child has a device that they can bring to school if needed for a class activity.

Y / N My child has access to the internet outside of school.

