**Syllabus for Technical Math 2015-16**

**Teacher**: Kelly Hassler

**Contact:** hassler@arrowheadschools.org, 369-3611 ext 4723

**Period**: 4 (9:42-10:22)

**Room Number**: N188

**Course Description:**

Students see the relevance of math in their day-to-day lives through extensive examples and practice activities-all presented as real-life situations. Concepts and skills are presented clearly and simply. Examples illustrate new math concepts and are followed by related practice problems on computational skills, using calculators and problem-solving exercise. This class will be highly motivating as students spend time doing relevant and practical math problems.

**Needed Supplies:**

**-**Basic calculator (NO cell phone app)

-loose leaf paper or notebook

-pencils

**Behavior Expectations and Classroom Conduct**

 All students are expected to follow the Arrowhead Way: Be Appropriate, Be Respectful, Be Responsible.

**Be Appropriate** means that students will not use bad language in class, only one person talks at a time, raise your hand to speak. DO NOT use your cell phone during class.

**Be Respectful** means that you respect your teacher and classmates. At times, students will work in small groups and everyone should have an equal voice and share ideas.

**Be Responsible** means that you are in your seat when the bell rings, complete ALL classroom assignments and hand in homework on time and bring the needed supplies EVERDAY.

**Learning Targets:**

*Chapter 1: Whole numbers*

-place value

 -adding, subtracting, multiplying and dividing

-finding the average

-exponents

-Order of Operations

*Chapter 2: Number Theory*

 -factors

 -multiples

-prime and composite numbers

 -divisibility tests

 -prime factorization

 -least common multiple

 -greatest common factor

*Chapter 3: Fractions*

-Understanding and comparing fractions

 -renaming fractions in simplest form

 -mixed numbers as improper fractions

 -multiplying fractions

-multiplying mixed numbers

 -dividing fractions

 - dividing mixed numbers

 -adding and subtracting fractions with like denominators

 - adding and subtracting fractions with unlike denominators

*Chapter 4: Decimals*

 -place value

 -comparing and rounding decimals

 - adding, subtracting, multiplying and dividing decimals

 -rename decimals as fractions

 -rename fractions as decimals

*Chapter 5: Ratio & Proportion*

-writing ratios

 -identifying proportions

 -solving and using proportions

*Chapter 6: Percent*

-Meaning of percent

 -changing percents to decimals and fractions

 -renaming fractions and decimals as percents

 -discount

 -sales tax

 -simple interest

 -commission

*Chapter 7: Introduction to Geometry*

 -points, lines and angles

 -identifying angles

 -polygons

 -solid figures

**Six Week Grades:**

Your six week grade will be calculated as follows using the percentages and grading scale below:

 20% classroom participation 90-100 A

 20% homework completion 80-89 B

 25% quizzes 70-79 C

 35% Unit tests 60-69 D

 0-59 F

The semester exam counts as 15% of the final semester grade.

\*Students are expected to complete all work ethically and honestly. Students who cheat on homework and assessments will earn a **zero** for those assignments.

\*Students who miss class due to absences are responsible for making up class work, homework assignments and all quizzes and tests. It is the student’s responsibility to make arrangements with the teacher.

***Teacher Schedule***

**Hour 1** Learning Center room 123

**Hour 2** PREP

**Hour 3** Geometry co-teach with Ms. Hobbs room 160

**Hour 4** Technical Math room 188

**Hour 5** LUNCH

**Hour 6** Learning Center room 123

**Hour 7** Learning Center room 123

**Hour 8** Learning Center room 123

**Hour 9** Advanced Math & Stats I co teach with Mr. Martin room 180

**Hour 10** PREP