



6th grade MATH

COURSE SYLLABUS

SY 2014-2015

Instructor: Kumu *Cheryl Nishida*

OFFICE: *Ka'ahumanu, K-04*
OFFICE HOURS: *M, Tu, W, Th 2:45 – 3:30 PM (by appointment)*
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CLASS SCHEDULE: *Block 4 every other day A / B Schedule*

A. DESCRIPTION

This math course is designed to provide students with opportunities to strengthen and extend their background in mathematics and include concepts of algebra and geometry. Instructional practices will actively involve students in exploring, conjecturing, analyzing, problem solving, and applying mathematics in both real-world and mathematical contexts and in communicating mathematical ideas.

B. ORGANIZATION

An emphasis for this year is preparation for independent life-long learning. Classes will be conducted in large and small group formats and will also involve cooperative learning. There will be an emphasis on homework completion, class preparation & participation, and test preparedness and appropriate behavior in and out of class. Class expectations will be reinforced throughout the year through various activities.

C. COURSE OBJECTIVES

1. To understand and be able to independently meet the 7th grade math standards.
2. To understand and use the 8 Common Core Math Practices.
3. To strengthen ability in the different strands of math and provide opportunities for individual growth and improvement.
4. To improve in outlook, attitude, and ability towards math and using it in real-world situations.
5. To address our Working Exit Outcomes with an emphasis on Ke Ao 'Imi Na'auao (Knowledge and Wisdom).

D. COURSE STANDARDS

The course will cover the following CORE STANDARDS:

Ratios and Proportional Relationships

- Understand ratio concepts and use ratio reasoning to solve problems.

The Number System

- Apply and extend previous understandings of multiplication and division to divide fractions by fractions.

- Multiply and divide multi-digit numbers and find common factors and multiples.
- Apply and extend previous understandings of numbers to the system of rational numbers.

Expressions and Equations

- Apply and extend previous understandings of arithmetic to algebraic expressions.
- Reason about and solve one-variable equations and inequalities.
- Represent and analyze quantitative relationships between dependent and independent variables.

Geometry

- Solve real-world and mathematical problems involving area, surface area, and volume.

Statistics and Probability

- Develop understanding of statistical variability.
- Summarize and describe distributions.

E. TEXT AND REQUIRED SUPPLIES

Various instructional materials will be used and basic school supplies will be needed.

F. GRADING PLAN

All work is graded on a point system with points being given for: tests and quizzes, oral and written assignments, special projects, and other instructional activities. Student grades can be viewed by parents or students online at KS Connect (<http://connect.ksbe.edu/>). Grades will be updated periodically. Graded tests and quizzes will not be sent home as these scores can be viewed online. Students will be required to monitor their own progress on KS Connect and take responsibility for their learning.

Homework Policy:

- Homework assignments are expected to be completed at the beginning of the period on due dates.
- Copying of any assignments is unacceptable and consequences will be given for both parties involved.
- Late assignments generally will not be accepted.
- Students with an excused absence will have 3 school days upon return to make up all missing work.
- It is the students' responsibility to get and make up work missed due to absence. Students are encouraged to check the blog and exchange numbers with a study buddy.
- Teachers will not be expected to prepare homework or other assignments for unexcused absences.
- For some assignments a re-do option may be allowed. See teacher for details.
- There is no extra credit.

ATTENDANCE:

Please see KSM student handbook for absent policy.

G. CLASSROOM RULES OF CONDUCT

We will follow the four universal Tribes Agreements which are:

1. Ho'olokahi (Mutual Respect – Respect authority, yourself, each other, this place)
2. E Ho'olohe Pono (Attentive Listening)
3. Aloha Kekahi I Kekahi (Show Appreciation) – (Mai Hana'ino) No Put-downs
4. Ho'alo (Right to Participate)

Students will abide by these agreements which reflect the Kamehameha Schools Hawaiian Values.

Classroom Expectations

- Be in assigned seat ready to work at the beginning of class. No unexcused tardies.
- Have all needed supplies every day.
- Keep hands, feet, books, and objects to yourself.
- Keep belongings and all areas tidy and unobstructed.
- No swearing, rude gestures, cruel teasing, or put downs.
- Follow directions & Tribes Agreements.
- Follow school dress code.
- Absolutely no gum chewing.
- Practice attentive listening & contribute positively in class.
- Be your Best! Make sure your work is neat, well done and on time.

The school rules are found in the student handbook. Please review these rules along with the dress code.

H. SUGGESTIONS FOR SUCCESS

- If you have any problems or need extra help, make prior arrangements with your teachers.
- With prior arrangements I may be available to help you during study hall or after school from 2:45 – 3:30 PM.
- If you are falling behind it is better to get help right away rather than wait until you are completely lost.
- I am more than willing to provide extra help to ensure your success. Because of this I offer **re-dos** on most assignments, quizzes and tests. Please take advantage of this since it will not only raise your grade if you progress, but it can also demonstrate that you are meeting the standards.
- There is no extra credit.

TENTATIVE SCHEDULE

Quarter	Content
1 st	The Number System
2 nd	Expressions and Equations
3 rd	Ratios & Proportional Relationships
4 th	Geometry Statistics & Probability