

**Kamehameha Schools Maui**  
*Hawaiian Leaders Prepared for College and a Global Society*

**Algebra 1 A/B**  
1.0 Credit A/B; Year Long

Teacher: Mr. Kaholo J. Rickard  
Email: karickar@ksbe.edu  
Office #: 573-7257

Location: Pākī O-104  
Office Hours: Mon & Thurs 2:40-3:30 or by appt.  
Blog Page: <http://blogs.ksbe.edu/karickar>

**Prerequisites:** Placement Exam and Teacher Recommendation

**General Course Description:**

Algebra 1 is a year-long course focusing primarily on mathematical problem solving using linear expressions, equations, and inequalities, functions and systems as well as an introduction to quadratic functions. Our overall goal is to deepen our understanding of the relationship of numbers to the world around us.

This introductory course is organized around families of functions, with special emphasis on pattern recognition, linear equations and functions, polynomials, and an intro to quadratic functions. Students will learn to represent these functions in different ways – as verbal descriptions, equations, tables, and graphs. They will also learn to model real-world situations using functions in order to solve problems arising from those situations.

**General Mathematic Practice Goals:**

*By the end of the year, 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 different situations with mathematics,
5. Use appropriate tools strategically,
6. Attend to precision in their work and persevere through the problem,
7. Look for and make use of structure,
8. Look for and express regularity in repeated reasoning.

**Major texts, literature, or resources:**

Algebra 1; Common Core Edition – Larson (the big red one) (in class only)

Your laptop (periodic use of the eTextbook and online resources)

TI-84 Plus Graphing Calculator (classroom use only)

Mr. Rickard's Blog page: <http://blogs.ksbe.edu/karickar>

Materials:

- 1-inch Binder
- Dividers
- Folder
- Lined Paper (college-ruled) & Graph paper

- 1 composition/spiral notebook
- Pencils and Erasers
- Red Pen

### **Course Outline:**

For the content covered in Algebra 1 please refer to [www.corestandards.org/Math/](http://www.corestandards.org/Math/). Please understand that the standards under the “High School - Algebra” strand (as well as the other strands) are covered during either Algebra 1 or Algebra 2 at KS Maui.

Concepts covered throughout the year in Algebra 1 are:

- The Real Number System
- Solving Linear Equations and Inequalities
- Graphing Linear Equations
- Writing Linear Equations
- Line of Best Fit and Linear Modeling
- Graphing Linear Inequalities in Two Variables
- Solving Systems of Equations and Inequalities
- Exponential Growth and Decay
- Polynomials
- Intro to Quadratic Equations
- Scientific Notation and Dimensional Analysis

### **Grading:**

Grades will be determined by points earned divided by the total points possible. Grades are based on the school’s grading policy (please see Student and Parent Handout).

**Breakdown:** Assignments – 30%, Group Work/Discussion/Presentation – 20%, Assessments – 50%

**Summative Assessment:** Quizzes, tests, projects, and other forms that show evidence of student learning.

- Quizzes/tests: to be given often through out the year and will be based on the concepts that were covered in the previous class.
- Redo/retake/correct: you have the opportunity to redo/retake/correct if you do not score a 100% on the quiz/test.
  - Requirements to redo/retake/correct:
    - You will request to the teacher on when you would like to do a redo/retake. If no request is made, you will forfeit the opportunity to redo/retake.
    - You need to be current in homework for that chapter (no “mi” in the grade book).
    - You will need to do a journal entry on what concepts you were not sure about and what you did to understand and show mastery of the concepts.

### **Homework & Classwork:**

Homework on math concepts will be given on a frequent basis. These assignments are due at the beginning of the next block unless otherwise instructed. Late homework is accepted but some conditions do apply (see late/missing and absent work policies below). I do not give huge homework assignments; rather I give short but very meaningful exercises for homework. If problems present themselves while working on assignments, those questions should be brought to class to be further discussed.

Concepts learned in class through investigations, group work, presentations, discussions, and writing assignments fall into the category of classwork. You will have ample time to complete required classwork for the day. If you do not get it done in a timely manner, the remaining classwork will have to be completed for homework; in addition to the homework assignment for the day.

### **iXL.com:**

iXL.com is a resource that you will have access to which allows you to move at your own pace to build success in specific math skills. The skills will be assigned in class and you will generally have class time to finish. You will also be asked to finish some of these outside of class.

### **Late/Missing Work Policy – “mi”**

To get partial credit for **late** work, you must:

1. Write “LATE WORK” on the top of the assignment in RED PEN.
2. Get a PARENT SIGNATURE on the late work right next to the words “late work” before handing in.
3. Late work drops one letter grade each day that it is late. After a week of being late, work will not be accepted.

### **Absent Work Policy – “ab”**

To get credit for **absent** work you must:

1. Write “ABSENT WORK” on the top of the assignment in RED PEN.
2. Get the notes from a classmate prior to completing the assignment.
3. Get a PARENT SIGNATURE on the absent work.
4. For every day that you are absent you will have that many days plus one additional grace day to get your absent work turned in. After those days have expired, see the late work policy.

*\*homework assignments can be obtained through Mr. Rickard’s blog page.*

### **Expectations:**

- All rules set forth by Kamehameha Schools Maui apply at all times.
- Be on time and prepared for class; you get out what you put into it.
- When I am talking, you should be listening.
- Do your own work and try every problem. Show ALL work.
- Participate, be prepared, and be responsible.
- If you have a question, raise your hand, wait to be recognized, and ask.
- Take care of your calculator and textbooks.
- If you need extra help, come in during lunch or after school.

See full syllabus at [www.blogs.ksbe.edu/karickar/open-disclosure](http://www.blogs.ksbe.edu/karickar/open-disclosure)

Please feel free to download the .pdf version of the syllabus and print if necessary.

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**Teacher:** Mr. Kaholo Rickard

**Subject:** Algebra 1 **Block:**

I, \_\_\_\_\_, received this course syllabus, have read this statement as my teacher explained each item, and was given an opportunity to ask clarifying questions pertaining to this statement.

\_\_\_\_\_  
*Student name (print)*

\_\_\_\_\_  
*Student signature*

\_\_\_\_\_  
*Date*

I have read and understand the expectations of my student for this class.

\_\_\_\_\_  
*Parent/Guardian name (print) &  
relationship to student*

\_\_\_\_\_  
*Parent/Guardian signature*

\_\_\_\_\_  
*Date*

**\* If you have any questions or concerns please email me at [karickar@ksbe.edu](mailto:karickar@ksbe.edu) or call me at 573-7257.**