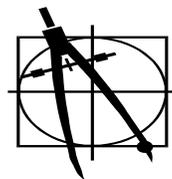# Algebra I
COURSE DESCRIPTION 2016-2017
Mr. Shionalyn

Course Overview:
At the end of this course, we want all students to confidently say:
- I am familiar with function notation, characteristics, and vocabulary.
- I can write an equation and graph linear functions.
- I can identify and graph basic quadratic and exponential functions.
- I can simplify and solve algebraic equations and inequalities.
- I can solve a two-variable system of equations and inequalities.
- I can effectively use exponent rules.
- I can use factoring to solve equations.
- I can find the mean, median, and mode of a set of data and be able to choose the best visual representation.
- I can use problem solving skills to solve real-world problems using algebraic knowledge.

Expectations:
- **Be prepared** for class each day and arrive on time with all necessary materials.
- Have a willingness to **learn**, **problem solve**, and **grow** from your mistakes
- **Read** and **study** each lesson, completing all assigned problems.
- **Attend** class each day.

Supplies:
You are expected to bring the following materials EVERY day:
- 3-Ring binder with graph paper (may be shared with another class)
- Pencils and erasers
- Calculator* (Required Minimum: Scientific 2-line; Graphing recommended)

Online Text:
The online textbook is available on the Holt website: http://my.hrw.com. Students will be given a username and password. The website also contains many resources for parents and students.

Grading:
Students will be given individual scores based on their ability to demonstrate the necessary mathematical skill for each standard. These scores are fluid and students may raise them by demonstrating the required skills at any point during the year.
- **Quizzes and Tests (50%):** Quizzes will be given routinely throughout the year to gauge progress on each standard. Students receiving below a 3 on any standard are required to do corrections before a score will be entered. Failure to complete corrections may result in a zero. There will be a cumulative final each semester providing another chance to demonstrate learned skills.
- **Projects (50%):** Projects will be given once per unit in order to provide students an opportunity to examine the applications of mathematics in other fields. A project based final will be given each semester.

Current progress will be updated routinely in Skyward for parents and students to access. In general, each standard is graded by following rubric:

> 4 (A) – Student has shown in-depth application of concepts and skills.
> 3 (B) – Student has shown a deep understanding of concepts and skills with minimal errors.
> 2 (C) – Student has shown some knowledge of concepts and skills while making a few major errors and/or requiring minimal assistance.
> 0 (F) – Student has yet to provide any evidence of understanding.

Good Student Progress Tracking:

Many students in Algebra 1 are entering High School for the first time. For some this is a difficult transition. To help monitor student progress towards KHS expectations, students will be monitored weekly on four items: Homework Completion, Attendance, Participation, and Respectfulness.. These items will not affect the academic grade for this course, but provide feedback for parents and students on non-academic factors important for success. Weekly progress will be updated routinely in Skyward for parent and student reference (In Skyward will appear as Assignment, Daily, Participation, and Communication respectively). These will be graded on a 4-point scale below:

> 4: Behavior exceeds expectations, student is a role model for this behavior
> 3: Student meets expectations
> 2: Students needs some improvement in this area
> 1: Student is not currently on track to meeting expectations, a behavioral plan may be necessary

Late Work Policy:

Students may make up missed quizzes any time before or after school during office hours. Late projects may only be turned in after students have met with the teacher by appointment before or after school for an in-depth discussion of their work. Late work may not be worked on during class. Study Hall is available by appointment only.

Contact:

396-3383, kshionalyn@nkschools.org
khs.nkschools.org/staff_sites/kshionalyn/algebra1
Room 168: Office Hours (M-F 7:30-7:50; MTThF 2:25-2:55)

THANK YOU.
Keenan Shionalyn

*KHS Library has limited scientific calculators available for Algebra 1 students who cannot afford one, check with Mr. Shionalyn if you need to use this resource. .
**Textbooks are available on the internet. No special software is required. Students without internet access may qualify for reduced cost internet. Families can find out more information at http://www.internetessentials.com or call 1-855-846-8376.