

# Algebra Course Syllabus

Ms. Linda M. Bawiec

Sossaman Middle School (SMS) 2019-2020 School Year

Grow, Learn, Lead

## Contact Information:

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School Hours: M - F 8:50 am - 3:50 pm Room: 227

Tutoring Hours: Tues and Thurs 4:00 pm - 4:30 pm

Teacher Pages: Linda Bawiec <http://www.husd.org/Domain/855>

Conferences are available by appointment.

The best way for parents to reach me is by email.

## Course Description

The curriculum for this course aligns with the Arizona's College and Career Readiness Standards for Mathematics which may be viewed on the Arizona Department of Education website. <http://www.azed.gov/azccrs/>

Emphasis will be placed on:

### **The Real Number System**

- Extend the properties of exponents to rational exponents.

### **Quantities**

- Reason quantitatively and use units to solve problems.

### **Seeing Structure in Expressions**

- Interpret the structure of expressions
- Write expressions in equivalent forms to solve problems.

### **Creating Equations**

- Create equations that describe numbers or relationships.

### **Reasoning with Equations and Inequalities**

- Understand solving equations as a process of reasoning and explain the reasoning.
- Represent and solve equations and inequalities graphically

### **Interpreting Functions**

- Understand the concept of a function and use function notation.
- Interpret functions that arise in applications in terms of the context.
- Analyze functions using different representations.

### **Building Functions**

- Build a function that models a relationship between two quantities.

### **Linear, Quadratic, and Exponential Models**

- Construct and compare linear and exponential models and solve problems.

- Interpret expressions for functions in terms of the situation they model.

### **Interpreting Categorical and Quantitative Data**

- Summarize, represent, and interpret data on a single count or measurement variable.
- Summarize, represent, and interpret data on two categorical and quantitative variables.

Algebra is designed to deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. In addition, students engage in methods for analyzing, solving and using quadratic functions. This course prepares students for more advanced study of math and science.

### **Materials**

Students are expected to bring appropriate materials to each class session. Each student will checkout an Algebra textbook that should **remain at home**.

### **Glencoe Algebra 1 McGraw Hill Education**

Students should not write in the textbook and must return the textbook at the end of the school year.

Students will also receive individual logins and passwords to access to online McGraw Hill Education (MHE) Resources including ALEKS.

### **ALEKS [https://www.aleks.com/about\\_aleks/overview](https://www.aleks.com/about_aleks/overview)**

Assessment and Learning in Knowledge Spaces is a Web-based, artificial intelligent assessment and learning system that uses adaptive questioning to quickly and accurately determine exactly what a student knows and doesn't know in a course. ALEKS then instructs the student on the topics that the student is most ready to learn.

It is important that students are present and prepared for class.

- 1 Subject Spiral Notebook (No Dark Colors) (Interactive Notebook INB)
- Sharpened Pencils, Red Pens, Highlighter (yellow, blue, pink and green)
- Sharpener, Glue Stick, Scissors, Colored Pencils
- Expo Dry Erase Markers
- Lined Paper, Graph Paper, Index Cards (3 x 5)
- Ear buds
- Protractor/Compass/Ruler
- Folder 3 hole prongs No Dark Colors (Data Tracker DT)
- Graphing Calculator (Algebra Courses and higher) for home use.  
(Recommended TI N Spire CX Graphing Calculator non CAS)  
Please ensure that this is the NON CAS system.

**Calculators are available for students for classroom use.**

## Class Rules

District Policies are followed as outlined in the school wide Student Code of Conduct. Our classroom practices are based on a foundation of **Respect**.

- **Respect your School**
- **Respect your Teacher**
- **Respect your Classmates**
- **Respect Yourself**

## Technology

Computers will be available to the students and used in the classroom.

Students and parents will be required to sign and adhere to the District Technology Policies Agreement.

## Homework

Homework is an important part of learning and mastering math concepts. Students should expect to have 15 - 30 minutes of Math homework daily Monday through Thursday to reinforce concepts taught during class time. In addition, weekly **online** assignments will be given and are due by Friday. Students receive credit for the assignment provided that they show their work, **document** reasonable effort and turn the assignment in on time.

## Grading

We will follow the District Grading Policy. The grading scale is as follows:

- 100%-90% - A
- 89% - 80% - B
- 79% - 70% - C
- 69% - 60% - D
- 59% or below - F

Students who successfully complete Algebra 1 and/or Geometry at an HUSD middle school will have the course posted on their high school transcript. The high school transcripts will reflect the grade the student earned; however, the grade will not be calculated in the student's GPA. Students will receive an elective credit and will be required to take a Math course each year in high school (9-12). The purpose of these courses is to accelerate to get to higher level course work in high school.

## **Semester Grades are based on 80% Assessments and 20% Practice**

- **80% Assessments**
  - 20% Semester Cumulative Final
  - 60% Unit/Module Tests, Quizzes, Checkpoints
- **20% Practice**
  - 10% Classwork (includes Interactive Notebook, Data Tracker)
  - 10% Homework based on effort, work shown, neatness and completeness

- SMS incorporates a modified 50% minimum grade policy. Any assignment submitted by a student that is accepted by the teacher will receive a minimum grade of a 50%. Assignments will not be accepted that do not meet minimal standards of completion.
- On all assessments given by the teacher, there is no minimum grade. Students will receive the grade that they earned on the assessment.
- Any assignment that is not submitted at the end of the unit of study or two weeks after the original due date (teacher discretion) will remain a zero in the grade book.

### **Redo and Retake**

SMS encourages students to redo/retake assessments on which they performed below their level of mastery (excluding the Final and District Assessments). In order to be eligible to schedule a redo/retake time with a student must complete the following tasks:

- Ensure all assignments for the unit of study are turned in.
- Meet with the teacher to establish criteria to complete the redo/retake form and associated tasks.
- Submit a retake form signed by both the student and parent.

A student's opportunity to redo/retake an assessment is always subject to teacher discretion.

### **Interactive Notebook (INB) and Data Tracker (DT) Guidelines**

- Students must have their **Interactive Notebook and Data Tracker** every day to organize and record their work.
- All math assignments must be dated and completed in pencil in the INB unless specifically told otherwise.
- All student grading and corrections must be done in **red ink**.
- Table of Contents must be kept current and include objective, standard, date and reference pages in the INB.
- INBs and DTs will be randomly collected and reviewed without notice.
- Students' INB and DT will be assessed for accuracy, completion and neatness.
- Parent Communication Forms must be attached in the Data Tracker (3 prong folder).
- Highlighting should be as follows:
  - Yellow Vocabulary                      Pink      Formulas                      Orange Your Choice
  - Blue      Very Important                      Green      I Can

### **Plagiarism/Academic Integrity**

Academic integrity is expected on all assignments. Plagiarism is defined as presenting the work of another as one's own. Cheating on an assignment or assessment is another activity that violates ethics and school rules. Any work that exhibits cheating/plagiarism will result in a zero, parental notification, and disciplinary action may be taken.

### Late Work

Students are expected to turn in assignments on time. Late assignments will be accepted. The last date to submit late work will be communicated to the students. If there are **extenuating circumstances that caused the assignment to be late** parents should contact me directly to make arrangements.

### After School Detention (ASD)

SMS staff and administration believe in the value and importance of teaching students responsibility and accountability. As a result, students may be assigned After School Detention (ASD). ASD will be held three days a week. Students who are assigned ASD will serve on the next scheduled ASD day. Students will not serve on the day it is assigned to allow parents the opportunity to make arrangements to pick up their child. District transportation cannot be provided for ASD. Students will need to be picked up no later than 4:30PM. ASD may be assigned by a teacher for the following reasons:

- Tardy to Class
- Unprepared for Class (missing materials)
- Failure to submit an assignment on the due date

The ASD program is not meant to address behavior issues in the classroom. However, a teacher may utilize lunch detention, after school detention and/or hold student/parent conferences in order to address inappropriate behaviors in the classroom. These consequences are not related to the ASD program and will be accompanied by communication from the classroom teacher.

### Attendance

If you are absent it is your responsibility to make-up missing assignments.

**Do MATH and You Can Do Anything! NCTM**

# Ms. Bawiec's Mathematics Course Syllabus

Please complete in black/blue ink and return by **Friday, July 26, 2019.** Class \_\_\_\_\_

**Print Student's Name:** \_\_\_\_\_ **Math ID** \_\_\_\_\_

My student and I have read and understand the rules, policies, and expectations as they apply to this math course. By signing this we agree to abide by and uphold the rules set forth.

\_\_\_\_\_  
Student Signature Date

\_\_\_\_\_  
Parent Signature Date

## Contact information (Please print legibly in ink):

Parent/Guardian Name: \_\_\_\_\_

Phone #: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

### Additional contact if desired.

Name: \_\_\_\_\_ Relationship: \_\_\_\_\_

Phone #: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

Please indicate if I have taught any siblings in your family (name, level, year)

\_\_\_\_\_  
\_\_\_\_\_

Elementary School Attended \_\_\_\_\_ NJHS \_\_\_\_\_ Lunch Hour \_\_\_\_\_

This class will use internet resources frequently. Students who do not have access to internet at home will be expected to visit the school or community library.

Please write information that you may want to share to help your child be successful in this class.

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