Intensified Algebra 1
Semester 1
Syllabus 2019-2020

Instructor's Name: Kersey Booster

Contact Phone: 541-416-6900 x 3148

E-mail Address: kersey.booster@crookcounty.k12.or.us

Course Description:
In this intensified class, your student will meet with the same class two periods in a row. They will still be learning Algebra 1 skills, while receiving extra mathematics support. This class will act as an Algebra 1 and Algebra 1 support class combined into one. Intensified Algebra 1 is viewed as one class, but it takes up two class periods. Not only will students be learning Algebra 1 skills, but they will also discuss and learn growth mindset and problem solving skills – how to positively focus on the process and not just the outcome – along with collaboration and communication skills through several partner/group activities and projects.

This course is designed to formalize and extend the mathematics that students learned in middle school. Students will deepen and extend understanding of constructing graphs, functions, rate of change, solving equations and inequalities, solving systems of equations, operations on polynomials, linear models for data, descriptive statistics and exponential functions. The standards used to assess students in this course are from the Oregon State adopted Common Core State Standards.

Goals
(SMART-specific, measurable, achievable, relevant, timeline-a reflection of specific critical content mastery):
By the end of the 2019-20 school year 100% of students will meet or exceed subject level learning standards in Algebra 1 as measured by a score of 60% or better on final grades.

For class updates/calendars, please join

1. **Google Classroom:** a place to find out what we did in class each day, pictures of the notes, copies of hand outs, solutions to homework problems, etc.
    - Access code: 2303l05 (l = lower case L)

2. **Remind101:** a way to text me if **you** have questions about the class, **you** have problems on the homework, and to let me know if **you** want to come in after school. It is also a way for **me** to let you know when a test is coming up, to remind you about doing your homework, etc.
    - Text: 81010
    - Type in the code: @8bbg964
    - Answer the questions and you are joined in.

3. **Assessments:**
    - A student can retake any assessment, except the Final Exam, for full credit if the following criteria has been met:
        - The retake is completed **before the next unit exam**.
        - An Error Analysis Sheet has been filled out.
        - All homework/assignments for the unit have been completed OR proficiency has been demonstrated.
        - A minimum of 10 minutes of office time with me.

    - During assessments, the student must finish the assessment in **one sitting.** If the assessment cannot be finished, the assessment will be graded as is and a retake can be scheduled. **you can stay into the next period if both teachers are in agreement.

4. **Deadlines** for all missing work, make-up tests, and retakes with no exceptions, will be:
    - Semester 1: at the end of the day on:
        - October 30th : work between Sept. 4th & Oct. 30th : 9 week progress
        - January 17th : work between Oct. 31st & Jan. 17th : Semester Grade
        - Final Exams: January 23rd & 24th

Expectations:

- Get to class on time.
- Once you enter the room, please sit and complete the daily opener.
- **No** cell phone use.
- Be Respectful, Reasonable, Responsible, and Safe at all times.
- Keep an organized notebook.
- Persevere

Supplies:

- Pencils (PLENTY)
- Notebook for notes – lined or graph paper
- Highlighter
- Scientific Calculator (Ex: TI-30 recommended): for sale in library

Grading Policy:

Your grade for the class will be calculated from the following categories:

- 80% Standards Assessments (Exams), Projects
- 10% Homework, Classwork, Projects, etc.
- 10% Final Exam

Corresponding Letter Grade	Proficiency Scale	Percentage Scale
A	Exceptional Mastery	90 - 100
B	Mastery	80 - 89
C	Proficient	70 - 79
D	Minimal Proficiency	60 - 69
F	Does Not Meet	Below 60

Students must earn a minimum grade of a D to move on to the next mathematics class.

Two Grades:

- 1st Period grade: mathematics grade – determines whether or not you pass Algebra 1 and receive math credit.
- 2nd Period grade: elective grade – determines whether or not you receive the 1 elective credit.

Extra Credit may be offered, but not on a regular basis

Critical Areas	**Standard Clusters** (Clusters are the overriding Standard)	**Mathematical Practice Standards** (imbedded all year in each unit)
Critical Area 1 Polynomial, Rational, and Radical Relationships	*Interpret the structure of expressions *Write expressions in equivalent forms to solve problems *Perform arithmetic operations *Understand solving equations as a process of reasoning and explain the reasoning. *Represent and solve equations and inequalities graphically -Perform arithmetic operations with complex numbers -Use complex numbers in polynomial identities and equations -Understand the relationship between zeros and factors of polynomials -Use polynomial identities to solve problems -Rewrite rational expressions -Analyze functions using different representations	* Make sense of problems and persevere in solving them * Reason abstractly and quantitatively * Construct viable arguments and critique the reasoning of others * Model with mathematics * Use appropriate tools strategically * Attend to precision * Look for and make use of structure * Look for and express regularity in repeated reasoning
Critical Area 2 Trigonometric Functions	+Extend the domain of trigonometric functions using the unit circle +Model periodic phenomena with trigonometric function +Prove and apply trigonometric identities	
Critical Area 3 Modeling with Functions	*Create equations that describe numbers or relationships *Interpret functions that arise in applications in terms of a context *Analyze functions using different representations +Build new functions from existing functions +Construct and compare linear, quadratic, and exponential models and solve problems	
Critical Area 4 Inferences and Conclusions from Data	*Summarize, represent, and interpret data on single count or measurement variable +Understand and evaluate random processes underlying statistical experiments +Make inferences and justify conclusions from sample surveys, experiments and observational studies. -Use probability to evaluate outcomes of decisions	