ALGEBRA 1 WITH PROBABILITY (VIRTUAL) SYLLABUS

Bob Jones High School
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Course Description: Algebra I with Probability is a newly-designed course which builds upon algebraic concepts studied in the middle grades. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. This is one of three courses required for all students. Content is designed to engage students in a variety of mathematical experiences that include the use of reasoning and problem-solving skills, which may be applied to life situations beyond the classroom setting. This course serves as the cornerstone for all high school mathematics courses; therefore, all subsequent mathematics courses require student mastery of the Algebra I content standards. Additional information for this course can be found on the Alabama Department of education website.

Course Objectives: To enable students to comprehend the objectives mandated by the state for this course and to build a strong foundation for subsequent math courses.

Virtual Classroom Expectations:

Classroom Rules and Procedures:

- **BEFORE "Entering" my Classroom** --
  - Use the **restroom**
  - Be in a **quiet space** with **good wifi**
  - Have out your **materials**
  - Open the tabs for **Schoology** & **Desmos** on your computer.

- **"Entering" my Classroom** --
  - Join my classroom at the start of your class's Synchronous Instruction using my Webex link.
  - **Once you are in, make sure your mic is muted but your camera is on.**
  - Join our interactive lesson on Desmos using the code presented on that specific day.

- **During Class** --
  - All classes will be recorded.
  - You will be expected to participate in our Desmo lessons & complete all work assigned that day.
  - The "Chat" feature in Webex will **ONLY** be used for questions, comments, or concerns related to the math being covered.
  - You should be actively listening & participating in the day's lesson (AKA not on your phone or distracted doing something else)

- **If You Need Help** --
  - My office hour is from 1:00 - 2:00 PM which you can access using my Webex link
  - I have a 15-min block of time before each of my classes for student support (technology, math, etc.)
  - Feel free to email me or message me on Schoology!

- Students are expected to follow MCS Student Code of Conduct.
- *Patriot Values* to live by: Be Respectful, Be Responsible, Be Resourceful.
- Work **must** be shown to receive credit.

Accommodations:
Requests for accommodations for this course or any school event are welcomed from students and parents.

BJ Grading Policy:

For Nine-Week Grades:		For Course Grade
Daily Grades	30%	1st Nine Weeks: 40%
Test Grades	70%	2nd Nine Weeks: 40%
		Final Exam: 20%

BJ Make-up Policy:
Students have 3 days to make up work. Zeros will go in the gradebook for assignments not submitted within three days of being due.

Text and Other Required Reading:
Algebra 1 Common Core, Pearson, ISBN# 9780133185485
Textbook Site: www.pearsonsuccessnet.com
Username: **Password**:

Materials and Supplies Needed:

For Students Use

1. Pencils	4. Graph Paper
2. Three-Ring Binder (2 inch)	5. Scientific Calculator
3. Notebook Paper	6. Highlighters

Note:
1. The academic misconduct policy of the school will be followed in this course.
2. The attendance policy of the school will be followed for this course.
3. Any student who receives failing grades during this course is urged to discuss this with the teacher immediately.

36 - Week Pacing *This is a tentative schedule; changes will be made as needed.	
Week 1 - 3	**Unit 1**: Solving Equations
Week 4 - 6	**Unit 2**: Functions
Week 7 - 8	**Unit 3**: Graphing & Analyzing Linear Functions
Week 9- 10	**Unit 4**: Piecewise Functions & Absolute Value Functions
Week 11 - 12	**Unit 5**: Systems of Linear Equations
Week 12 - 14	**Unit 6**: Systems of Linear Inequalities
Week 14 - 16	**Unit 7a**: Graphing & Analyzing Exponential Functions
Week 17 - 19	**Unit 7b**: Graphing & Analyzing Exponential Functions
Week 19 - 20	**Unit 7b**: Graphing & Analyzing Exponential Functions
Week 10 21-23	**Unit 8**: Arithmetic & Geometric Sequences
Week 24 - 26	**Unit 9**: Statistics & Probability
Week 12 27 - 30	**Unit 10**: Polynomials
Week 13 31 - 32	
Week 14 33 - 34	**Unit 11**: Introduction to Quadratic Functions
Week 15 35 - 36	**Unit 12**: Graphing & Solving Quadratic Equations Semester Review & Exams