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SG Algebra 3 Course Syllabus

Algebra 3 is a mathematics course that follows Algebra I, Geometry, and Algebra II. The course emphasizes statistics and financial applications, and it prepares students to use algebra, geometry, trigonometry, and discrete mathematics to model a range of situations and solve problems. This Algebra 3 class is designed to help students prepare for many non-mathematics intensive college majors. It will also serve students who might not be planning to attend college but instead enter into a workforce training program. By taking this class, students should solidify and increase mathematical knowledge and skills at and above the level of Algebra II or its equivalent. They should also deepen and enrich the ways they think about math as well as develop the real applications of math across disciplines and in practical situations.

Some of the topics that we are going to be studying are:

- Analyzing information using statistical methods and probability
- Modeling change and mathematical relationships
- Mathematical decision making in finance and society
- Spatial and geometric modeling for decision making

Required Materials

- 3 ring binder or notebook. Should you use a notebook for this course, a separate folder will be required. This notebook or binder should be for **only** math materials, not to be shared with another class.
- **Scientific Calculator**
- Writing Utensils (pencils preferred)
- Chromebook (Provided by WHS)

These items must be with you in class every single day

Grading

Your grade in this class will be based on a points system, and be broken down quarterly. You can expect assignments to fall into one of three categories:

- Homework
- Tests
- Quizzes/Projects

All homework will be worth 10 points. Tests, Quizzes, and Projects will be worth varying amounts of points, depending on their length. At the end of each quarter, your grade will be calculated with the following formula:

- $\text{Points earned} / \text{Points Available} = \text{Final Average}$

In addition to the above listed assignment categories, students will also receive a participation grade, calculated with 10 points per week (approximately 100 points per quarter) available. Students are expected to arrive to class on time, with the required materials every day. Classwork will include note taking, group projects, and open discussions, and all students are expected to participate in the dynamic of the class on a regular basis.

Homework

Homework is a tool that I will use to reinforce key concepts taught in class. This means that it is of extreme importance that you do your homework every night. If you choose to not complete homework on a regular basis, you **will not pass this class**. It will generally consist of worksheets/bookwork, although may occasionally include online activities, utilizing tools such as Khan Academy. Homework will be checked and/or collected at the beginning of class every day. All homework should be completed neatly, with the student's name and assignment numbers listed at the top of the page (a template will be provided to you). We will also generally review homework assignments at the beginning of class, in order to check for understanding of concepts. This is a time for students to check and correct their work, and ask questions. Late homework will be accepted for 10 days following the initial due date. In this time, one point for each day late will be deducted from the overall score given to that assignment.

Make-up

Students are expected to maintain a high level of attendance at Winthrop High School (Please refer to the Student Handbook for policy specifics). It is expected that assignments and assessments missed due to absences from school will be made up in a timely manner. It is the responsibility of the **student** to complete and hand in any and all missed assignments. I will not search for you, to tell you about the assignments you missed. Any assignments not made up will result in a zero.

Classroom Rules

- Cellphone use will only be permitted with prior authorization from me, and will be for school related matters only
 - Unauthorized use of a cellphone while in class will result in a 15 minute detention, to be served that same day.
 - Further use or repeated offense will result in disciplinary referral to the main office.
- Arrive to class on time and prepared to work
- No food, drinks, cell phones, hats, or foul language will be allowed or tolerated in this classroom.
- Please respect the teacher, classmates, yourselves, and the classroom materials
- Stay seated at all times unless instructed or given permission to do otherwise.
- Be attentive and quiet when either the teacher or another student is speaking.
- For additional policies and procedures, please see the WHS Student Handbook.

Extra Help

I will be available after school **every single day** from 2:20 – 2:50. Students may utilize this time to receive extra help. Appointments may be made for other times.

