

Anacortes High School Mathematics Department Course Syllabus



Course Name: **Intensified Algebra**

Course Description: Intensified Algebra is designed as a two-period, hands on, application based study of Algebra. The course is structured into eight instructional units, each subdivided into three topics. Instruction will be provided in the areas of algebra core content, as well as youth development and algebraic thinking capabilities. This class will be a combination of independent, partner, and group work.

Core Concepts:

- Exploring Problem Solving
- Introduction to Functions and Equations
- Rate of Change
- Linear Functions
- Linear Equations and Inequalities
- Systems of Linear Equations
- Quadratic Functions and Equations
- Exponential Relationships

Course Resources

- [Agile Mind Intensified Algebra](#)
- <http://anacortes.agilemind.com>
- Math department website <http://ahs-asd103.libguides.com/math>
- Desmos (free graphing calculator)

Required Materials:

- Intensified Algebra Student Activity Book (provided by teacher)
- 8, 3-pronged pocket folders (must have prongs **and** pockets)
- A scientific calculator (including square root; will need sin, cos, and tan for Geometry next year).
- Pencils
- Low odor dry erase marker
- Colored pens/pencils (not black)
- Ruler
- Highlighter (optional)

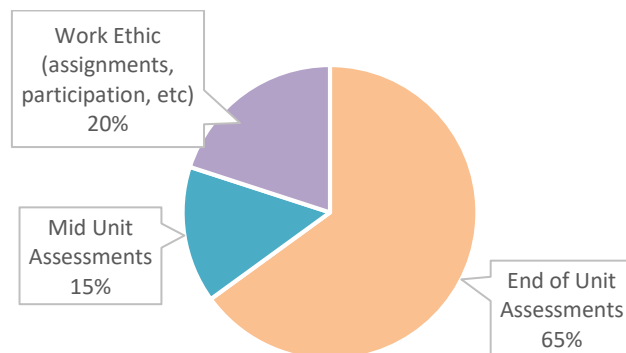
Expectations for Students:

1. Believe in yourself, work hard and demonstrate a positive attitude.
2. Demonstrate respect to your teacher, yourself and your peers.
3. Demonstrate responsible behavior, which does not interfere with the learning or the safety of other students.
4. Contribute to the class and work towards success.
5. Attend class daily, prepared with completed homework and other materials.
6. Take care of provided workbook. (*Lost workbooks will incur a replacement fee*)

Anacortes High School Grading Scale

Letter Grade	Percent
A	93% and above
A-	90% - 92%
B+	88% - 89%
B	83% - 87%
B-	80% - 82%
C+	78% - 79%
C	73% - 77%
C-	70% - 72%
D+	68% - 69%
D	60% - 67%
F	59% and below

Weighted Categories



Homework Practice and Assignments

Students will be responsible for writing daily homework down in their planner or notebook. Students will have homework daily. Assignments are due the next day.

Rationale: When students have missing assignments, they often neglect current work and learning, falling further and further behind. Furthermore, current learning is based on the previous assignment so it is paramount for students to complete work as it's assigned.

1) Homework: Students are expected to complete their homework on time. Each homework assignment will be worth 5 points. In order to earn full credit, students must:

- Complete each problem of the homework on-time (noted with a stamp). Assignments are considered complete when every problem has been honestly attempted. If you get stuck on a homework problem, you must write out the question(s) that you have so that you can ask during the homework processing in class the next day!
- Mark each problem with a star (if good to go) or a question mark (if you are confused)
- Self-correct the assignment at home with a red pen/pencil (answer key is online)

Students who exhibit several instances of coming with missing/incomplete homework will be subject to academic discipline implemented by administration.

2) Late work: In order to take full advantage of all learning opportunities and homework processing time, it is required that homework is completed each night. On the rare occasion that homework is completed late, it may be turned in for partial credit. However, these late assignments must be turned in no later than the day of the unit test.

3) Group work and in-class activities: An essential part of Intensified Algebra is actively learning the material and working as a team at times. Attendance and participation are very important. In-class, group activities are very difficult, and sometimes impossible, to make-up individually. Students will be expected to be active learners and participate in class activities.

Tracking Your Grades: Students and parents can track grades through Skyward Family Access. Please note a star indicates that the score has not been entered yet. Because this class is a two-period block, students will be receiving two separate grades. The first grade is for Algebra I credit and will be a letter grade. The second grade is for Elective credit and will be a pass/fail grade.

Students who are failing at semester may possibly be moved into a different course.

Assessment of Standards

Each unit will be assessed using formative tasks, mid-unit assessment, and end of unit test.

Students are expected to demonstrate full effort throughout the complete unit of study and be fully prepared for the unit exam. Retakes will not be available. End of unit tests are part online and part paper/pencil. When possible, students may earn back 25% of the points missed on unit tests by coming before or after school and correcting all of their mistakes (showing full work), checking their answers with the key, and turning their corrections in before the next unit test. **Partial corrections will result in no points.**

Cumulative finals, both midyear and end of year, will be given assessing the standards taught in this course.

Extra Help

Please utilize your instructor! They will be available on specified days before/after school. Khan Academy, Learn Zillion, and www.goorulearning.org are a few on-line help resources.

All school policies will be upheld in this class so please read your student handbook.

Anacortes High School Academic Dishonesty Policy: We believe students at AHS are responsible for their own work, created and intended for the particular class in which the student is enrolled and from which the assignment is given. Academic Dishonesty is defined as a student's use of unauthorized assistance with intent to deceive the teacher who will be evaluating the student's work.

Examples of academic dishonesty include, but are not limited to, the following:

- **Cheating** involves the possession, communication, or use of information, materials, notes, study aids or other devices not authorized by the teacher.
 - **Plagiarism** is the act of using another person's words or ideas without giving credit to that person.
 - **Complicity** involves knowingly contributing to another's acts of academic dishonesty.
- Students who have committed academic dishonesty will be subject to academic sanctions cumulative over four years of high school.

Attendance/Tardies:

Per school policy a **tardy of more than 5 minutes** is considered an absence. Anyone coming late to class (for any reason) must have an admit slip after 5 minutes from the attendance office. If a student reaches three tardies in a semester, the student will be written up by the teacher. If a student reaches five absences a parent conference will be scheduled to discuss the issue.

Electronic Devices

Students must comply with the district's *Grade 7-12 Student Technology Equipment Use Agreement* policy. Students and families must also agree to follow the guidelines and expectations found in the *Secondary Student and Parent Mobile Device Handbook*.

Failure to follow these expectations will result in consequences in accordance with building and district policies and procedures.

What does it look like to be a successful math student?

You may find that you are struggling in this course. Don't give up!

The attributes of a successful math student include:

- Daily attendance
- Active and appropriate participation in class
- Assignments are attempted to the best of one's ability
- Formation of study groups
 - Benefits of Study Group Learning
 - *You can verify with each other any confusing or complex subject material.*
 - *Learning math is more fun.*
 - *Math is better understood and retained.*
 - *Fellow students can be a source of encouragement.*
 - *Math-anxious students will see themselves as tutor/teachers, not just recipients of someone else's knowledge.*
 - *An increase in confidence of mathematical ability.*
 - *You will have opportunity to learn new study habits from peers.*
 - How to form a study group
 - *Exchange email address*
 - *Contact one another—be responsible for making sure one of your members is caught up with assignments and notes when absent*
 - *Meet twice per week (host at school, find a classroom, rotate meeting at someone's home)*
 - *Be inclusive—don't exclude someone who you think won't contribute. Remember that we all have areas of strength.*
 - *Teaching others solidifies your understanding. Rotate a teaching session.*
- Assessments are considered learning aids and therefore a student will strive to understand any errors made
- Contact the teacher if you need assistance.

Contact Information

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