

2021-2022 Honors Algebra I Course Overview

Teacher: Ms. Groves (pgroves@brunswick.k12.me.us)

Course content:

- **This is the most challenging Algebra I course offered at BHS and is designed for the accelerated math student who is self-motivated and has very strong study habits. Students who take this course are assumed to have mastered pre-algebra concepts.**
- The topics covered are: properties of real numbers; writing and evaluating algebraic expressions; solving linear equations and inequalities; graphing linear functions; solving and graphing systems of linear functions; graphing systems of inequalities; solving and graphing quadratic functions; applying rules of exponents; simplifying polynomials; factoring; simplifying radical expressions; simplify rational expressions, solving rational equations.
- **Technology and real-world problem will be included throughout this course.**

Syllabus is provided with the chapters and standards covered with approximate test dates

- This schedule is tentative due to snow/late start days, testing, class meetings, extra practice needed, etc.

Classroom Expectations

1. You are expected to be **on time, be prepared** with all supplies (COVERED book, binder, graphing calculator, pencil), homework, and **be attentive** during class.
2. You are expected to treat EVERYONE in the class with the same attitude of respect you expect to be treated. This includes the language you use, the attitude you bring to class, and the way you respond when asked to do something in class.
3. You are expected to approach this course with the rigor necessary to aspire to AP (college-level) courses.
4. You are expected to laugh, have fun and enjoy learning Algebra I ☺

3 Required Major Standards are covered in Algebra 1. Each of these Major Standards are broken down into sub-standards:

Numbers and Quantity (NAQ) – 3 standard assessments

Algebra (ALG) – 6 standard assessments

Functions (FUNC) – 7 standard assessments

- Students who do not meet the 3 major standards will NOT receive their math credit for this Algebra 1 course.

Materials for Class

1. **CALCULATOR** – Every student taking Honors Algebra I is expected to have a graphing calculator. If you do not want to purchase your own, there are a limited number of calculators that may be borrowed for the school year from the library on a first come basis.
2. Textbook – **Must be covered at ALL times!!**
3. Pencil – **Work completed in pen will NOT be accepted.**
4. Binder (at least 1½ in.) with 5 notebook tabs.
5. Please try to use loose leaf notebook (not spiral) paper for homework. Thank you ☺

Help

- I am here to help you ☺. See or email me with questions or to set up a time to get help.
- See my web site (<http://www.brunswick.k12.me.us/pgroves/>) for assignments, notes, HW answers, and study guides.

Grading:

□ Habits of Work (HOW) 10%

- a) **Homework:** Homework will be assigned every class. Expect at least 1-hour of homework(HW) after each class.
- **Homework Grading:** I grade homework on completion and not correctness. You must clearly show all of your work to receive full credit. HW must be well organized and easy to read. You are responsible for checking your own answers from the book (odd problems) prior to class, my web site (selected HWs), and when we review HW in class.
 - **Grading:** $\sqrt{+}$ (100%); $\sqrt{}$ (90%); $\sqrt{-}$ (70%); NW/NC (0%)
 - **Late homework:** minus 30 points per class period late; late HW is not accepted after the chapter test is given.
 - **HW Headings Required:** Full name, date, and section number at the top right or left corner of your HW.
- b) **Binder** A well-organized notebook will help you develop good study skills, provide sample problems to do HW as well as study for tests, midterm and final exams.
- **How to Organize Your Notebook**
 - Place this Course Overview and Syllabus documents first in your binder.
 - Label 5 Tabs and organize each tab by section number (or date).
①Notes ②Homework/Classwork ③Tests/Quizzes ④Standards ④Study Tips
 - **Grading:** Monthly timed Notebook Tests will be given to measure how organized your binder is.
 - **When can you clean out your Notebook?** After each Chapter Test, you may remove classwork, homework, quizzes, and notebook tests.

□ Tests/Quizzes/Standard Assessments(SAs) 90%

- All Tests(Ts) and SAs will be announced at least 1 week in advance
- **Traditional Tests and Quizzes** – There will be NO Makeups for these assessments.
- **Standard Assessments (SAs)** – will receive BOTH a Standard and Traditional Grade.
 - The **SA** numeric grade will be: DNM (30%), PM (60%), M (90%), E (100%).
 - Students must “Meet” each standard assessment.
 - Students will be given opportunities to make up **SAs** for full credit. Students will be given a Retake form when they do NOT meet the standard.
 - The Traditional Grade will be revised when **SAs** are made up prior to the end of the quarter.