



Teacher: Lynette Hampton, Rm A306

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Course Description: Algebra 1 is the beginning course in a sequence of college preparatory courses. Students will study operations and relations of numbers through the use of variables. The students will also study polynomials, equations, factoring, rational expressions, radicals, graphing, and solutions of verbal problems. Students will be led to mathematical discoveries and generalizations while applications are emphasized.

Resources/Materials used for this course:

- Textbook: *Pearson: Algebra 1 - Common Core*
- Web page: MathXLforSchool.com, classroom.google.com, edpuzzle.com, desmos.com/calculator, geogebra.org,
- Calculator: TI-84 graphing calculator
- Binder with loose leaf & graph paper; PENCILS, highlighters

Course Goals:

- Students will perform mathematical operations on sets of numbers and algebraic expressions.
- Students will solve one-variable equations and inequalities.
- Students will solve two-variable linear systems of equations and inequalities.
- Students will use problem solving skills to solve application problems.
- Students will simplify and factor polynomials.
- Students will simplify radical expressions.
- Students will graph relations, functions, and inequalities.

LAP's:

All students will receive access to a copy of the LAP packet at the beginning of each unit. LAP documents will be posted on Ms. Hampton's Weebly page and google Classroom page.

LAP 1: Foundations for Algebra (Ch. 1) – properties of real numbers and simplifying expressions

LAP 2: Solving Equations (Ch. 2) – solving linear equations, literal equations and real world applications

LAP 3: Proportions (Ch. 2) – writing ratios & proportions, solving proportions and real world applications

LAP 4: Linear Functions (Ch. 5) – graphing and writing equations of linear functions

LAP 5: Solving Inequalities (Ch. 3) – solving linear inequalities, solving compound inequalities and graphing solutions

LAP 6: Systems of Equations and Inequalities (Ch. 6) – solving systems using graphing, substitution, and elimination

LAP 7: Exponents (Ch. 7) – simplifying expressions using exponent rules

LAP 8: Radical Expressions (Ch. 10) – simplifying radicals and operations of multiply and divide

LAP 9: Polynomials and Factoring (Ch. 8) – properties and operations on polynomials and factoring

LAP 10: Quadratic Functions (Ch. 9) – basics of functions, graphing quadratics and solving quadratic equations

Grading Policies:

1. Assignments should be submitted on time. It is your responsibility to communicate with Ms. Hampton if you encounter difficulty meeting this expectation.
2. If you miss a class, it is your responsibility to get the class material and homework. Materials can be found on Ms. Hampton's Google Classroom page. Ms. Hampton's Weebly page will link you to her Google Classroom Page.
3. Utilize Open Lab time to seek additional help from Ms. Hampton or any other math teacher. Please sign my open lab sheets on the large bulletin in my room when you know that you will be attending one of my open labs. This lets me know to expect you at that time. Open Lab rules are posted in my room. *Do not* come to my open lab if you do not have math related work. The reason for open labs is for students to obtain extra help in subject areas. In addition, Sr. Mary Kay is available on Wednesdays and Fridays from Mod 1 – 10. She is another wonderful resource for math help.
4. We will follow the **IWA Formative Assessment Late Work Policy**. An NLP may not be used for any quiz.
5. The grading will be based on total points. However, the following is a *general* guideline for weights:
 - Formative: Assignments/Quizzes - approximately 25% of semester grade
 - Daily Assignments (10 pts)
 - Open Lab Assignments (10 -20 pts)
 - Quizzes (20 – 50 pts)
 - Approximately 30% of total LAP points
 - Summative: Lap Tests/Projects - approximately 60% of semester grade
 - LAP Tests given at the end of LAP and taken in Testing Center
 - Projects will be slotted based upon depth and importance. They will be categorized as a test.
 - Approximately 70% of total LAP points
 - Exam: Final Exam - 15% of semester grade
 - Given at the end of each semester. It is cumulative for the current semester.
 - The second semester exam is typically more difficult than first semester due to increase of difficulty of the material covered in semester 2.
6. You can view your current grade by looking at PowerSchool. Grades will be entered within five school days of the due date of assignment/test.
7. If your grade falls to a 70% or below, your parent will be contacted and you may not be approved to attend a field trip.
8. We will follow the **IWA Retake/REDO Policy**. Please see Ms. Hampton's attached Retake/REDO Contract.

Student Expectations:

- 1. Take responsibility for your own actions** - Integrity is expected at all times. Students are expected to uphold the following class values: courtesy, honesty, respect and a positive attitude.
- 2. Arrive every day to class on time**
- 3. Arrive prepared** - Students are expected to come to class with their completed assignments, pencil, paper, binder, book, calculator, BYOD and other required materials.
- 4. Maintain learning atmosphere** – Students have a responsibility to themselves and to their classmates to help maintain a learning atmosphere in the classroom.
- 5. Participate** - My goal is to help everyone enjoy and learn math. I will do my best to present the material in the best possible manner, from several points of view. Class participation and assignments are very critical.
- 6. Prepare** – You must prepare appropriately for summatives. Relying on the REDO process to improve a score instead of adequately preparing ahead of the summative can place undue stress on yourself because you will have added extra work, extra contact time with me and Wednesday morning attendance. In addition, we will have progressed ahead in class to a further LAP.

*****I reserve the right to make changes to this syllabus*******

**HAMPTON – ALGEBRA 1 A/B
SYLLABUS ACKNOWLEDGEMENT
2018-2019**

I have read the Algebra 1 A/B Course Syllabus and I understand the policies and consequences. I realize that it is my responsibility to fulfill the requirements of each LAP and to make up any missed work.

Signature of Student

Date

My daughter has shared this syllabus with me and I am familiar with its content.

Signature of Parent or Guardian

Date