

# *Honors Algebra 1*

*Ms. Treese*

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## *2018-2019 Syllabus*

Welcome to Honors Algebra 1! This course will cover the basic algebra concepts to build a foundation for higher math classes. This course will cover topics such as the number system, solving, graphing, and writing linear equations and inequalities, linear systems, exponents, quadratics, polynomials, and factoring. Please understand that some of the concepts may be review and therefore easier than others and some concepts may be completely new and therefore more challenging. Our main goal is to nurture in you the confidence, curiosity, and the skills you need to succeed in your higher level math courses.

## *Materials Needed*

- Textbook: Pearson - *Algebra 1 Common Core* ([www.pearsonrealize.com](http://www.pearsonrealize.com))
- Websites: [www.mathxlforschool.com](http://www.mathxlforschool.com), Google Classroom, [www.edpuzzle.com](http://www.edpuzzle.com), [www.desmos.com](http://www.desmos.com)
- A graphing calculator (TI-84)  
*\*\*Please note some topics will be presented without the calculator and you will be expected to complete some problems without a calculator.*
- Binder (preferred) or a folder to keep handouts and homework organized
- Your device CHARGED and ready to go for class
- Loose-leaf for homework and graph paper is optional
- Pencils for completing work
- Highlighters (recommended)

## *LAPs*

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. Treese's Weebly page and Google Classroom page.

## *Course Overview*

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. Treese'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, compound inequalities, graphing solutions

**LAP 6: Systems of Equations and Inequalities (Ch. 6)** - solving systems with graphing, substitution, 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, solving quadratic equations

**LAP 11: Probability and Statistics (Ch. 12)** - probability, compound probability, mean, median, mode, sequences

## **Absences**

- You have a LAP so you should be aware of the assignments and topics covered in class when you are absent. You should **NOT** come to me and ask what you missed. You should already know by looking at your LAP as well as accessing my website.
- It is my expectation you reference your LAP and Google Classroom to know what has been covered.
- If we are starting a new LAP, it will be posted on my website and Google Classroom.
- It is your responsibility to gather assignments and notes from missed classes as well as schedule times during open lab, before, or after school to go over missed material.
- When you return to school, you should turn in any homework you were PRESENT for the lessons, and the class has already turned in.
- If you are absent multiple days, come see me. Together, we will arrange a schedule to complete all assignments or assessments missed.

### **WHAT TO DO WHEN YOU ARE ABSENT:**

- Reference your LAP to know what topic/activity you are missing.
- Access Google Classroom for any notes or new LAPs.
- Email Ms. Treese about your absence and communicating when you would like to meet to go over the missed material or reschedule a test.
- Go see Ms. Treese to go over missed material and turn in homework already due.

## **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.

## Grading

- Your grade will be broken down into 3 categories: Summative Assessments, Formative Assessments, and Final Exam.
- Assignments should be submitted on time. It is your responsibility to communicate with Ms. Treese if you encounter difficulty meeting this expectation.
- Utilize Open Lab time to seek additional help from Ms. Treese 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.
- We will follow the **IWA Formative Assessment Late Work Policy**. An NLP may not be used for any quiz.
- The grading will be based on total points. However, the following for weights:
  - **Formative: Homework/Quizzes - 35% of semester grade**
    - Daily Assignments (10 pts)
    - Open Lab Assignments (10 -20 pts)
    - Quizzes (20 - 50 pts)
  - **Summative: Lap Tests/Projects - 50% of semester grade**
    - LAP Tests given at the end of LAP and taken IN CLASS!
    - Projects will be slotted based upon depth and importance. They will be categorized as a summative
  - **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.
- 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.
- 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.
- We will follow the **IWA Retake/REDO Policy**. Please see Ms. Treese's attached Retake/REDO Contract.

**\*\*I reserve the right to make changes to this syllabus at any time\*\***

## Ms. Treese's Contract for Summative Assessment Retakes

Please read and fill out the following information on the lines provided before coming to conference with me.

I am starting the REDO process for my LAP Summative Assessment over \_\_\_\_\_.

I understand my REDO is on (or before) Friday \_\_\_\_\_ at 3 pm.

**In order to be able to START the REDO process, you must have turned in ALL formative assessments. First, go to your LAP document, and write down all the assignments for the LAP. Second, go to PowerSchool, and write down the scores for those assignments.**

LAP ASSIGNMENTS	YOUR SCORE

After you fill out your assignments and their scores, bring your contract up to conference with Ms. Treese.

You will be required to give up about 2-3 open labs to complete the process. You must complete all the steps to complete the process. Please fill out the dates on the lines provided.

[STEP #1] \_\_\_\_\_ (write down the date and letter day)

- Fill out the LAP assignments on your contract.
- Conference with Ms. Treese about your test.
- Plan out open lab times to complete the REDO process and fill out the rest of the contract.
- Write ALL of your dates on Ms. Treese's open lab schedule in your class color.
  - Write your last name and the appropriate number for the open lab. (For example, Treese 1, Treese 2, Treese – 3)
- Write the dates in your planner and give your contract to Ms. Treese.
  - You can grab another copy of the contract if you need it for guidance on what you need to for each step.
- Redo the incorrect questions on your test on a *SEPARATE piece of paper*. Write one or two sentences explaining why you got the questions wrong or how you made the correction.
- Conference with Ms. Treese to check your test corrections.

[STEP #2] \_\_\_\_\_ (write down the date and letter day)

- After you completed test corrections, complete the supplemental problems provided by Ms. Treese.
- Check problems with Ms. Treese or email her if you completed questions on Math XL.
- Study your original summative assessment and study for your re-assessment.

[STEP #3] \_\_\_\_\_ (write down the date and letter day)

- Send Ms. Treese an email at least 24 hours before if you are testing with the Learning Consultant or the Testing Center.
- Take re-assessment in Ms. Treese's open lab, the testing center, or with the Learning Consultant.

By signing below

\*you are committing to the above open labs and accept the consequence if you miss the open lab WITHOUT informing Ms. Treese in advance.

\*you understand the expectations listed above as well as the policies regarding the REDO process

**Signature:** \_\_\_\_\_

**TREESE HONORS ALGEBRA 1**  
**SYLLABUS**  
**2019-2020**

I have read the Algebra 1A 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.

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**Signature of Student**

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**Date**

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

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**Signature of Parent or Guardian**

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**Date**