

ALGEBRA II HONORS

2016 - 2017

Ms. Degenhart

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Course Description:

This year in Algebra 2 Honors we will be studying functions and their graphs, trigonometry, matrices and probability. Algebra 2 is typically the first math class to challenge students to think in a more abstract manner. The goal is for each student to learn the concepts taught, as well as develop their problem solving abilities. Students will be pushed to be able to explain their thinking as a means to developing better understanding of the mathematical concepts.

Classroom Expectations

- Students will be in their seats, ready to work when the bell rings.
- No food or drink allowed in class. A bottle of water is acceptable.
- No music devices are allowed in class.
- All cell phones will be turned off and put away during class.
- Students will act in a manner that is respectful to classmates, teachers, and administrators.

Materials:

Students should do all of their work in **pencil**. I suggest organizing your materials in a three ring binder that includes dividers, lined paper, graph paper, and a ruler. (If you prefer to take notes and do homework in a spiral notebook, that is acceptable.) We will be using a graphing calculator (TI 83+ or TI-84) to help build understanding of concepts. We have a class set of calculators to use at school. You will use this calculator in other math classes as you move forward. It is possible to download an app to your phone. A TI-84+ emulator will be used for classroom demonstrations. Textbooks assignments may be given. An online code will be given to each student for access at home. If you do not have internet access at home, it is recommended that you do your homework at school during an off block. The book is also available for check-out in the library during off blocks.

Grades:

Student grades will be based on the following and weighted as noted.

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| 60% | Assessments |
| 10% | Final Exam |
| 15% | Homework (Checked Daily) |
| 15% | Presentation and Participation (Class discussions, Presentation of HW problems) |

A Grading Scale of 90%-A, 80%-B, 70%-C, 60%-D will be used to determine grades after weighting the components above.

Homework:

In order for students to be successful in this class, it is critical that homework be completed on a consistent basis. Homework will typically be given daily. Unless stated otherwise, it will be due the following class. Homework will be checked at the beginning of class for completion. Effort on the homework will determine your homework score.

Make-Up Work:

It is your responsibility to find out what you have missed. Assignments are posted on the class website. You will have two blocks for each block absent to make-up your work, including tests and quizzes.

Availability for help outside of class:

I will always make helping students a priority. I am available in Room B207 during office hours. I will typically be here in the morning and in the afternoon. I am the math department chair, so in the morning I am sometimes dealing with substitutes or other department business. There are no office hours on Wednesday and Thursday mornings, due to staff meetings and department collaboration time. If needed, you may make an appointment to get additional help during my planning blocks, which are 4, 7, and 8. I will be in the B209 planning room during these blocks. As there are some building duties that I must attend to, please verify that I will be available and arrange a time to meet.

Additional math help:

There are math teachers every block on Tuesdays on the study deck. On Saturday mornings, there will be tutors from the CO School of Mines at LHS. Please refer to signage in the classroom and around the building for all of the additional places to get help.

Parental Involvement:

Parents are encouraged to be involved in your child's education. I hope that you will participate in Parent/Teacher conferences (Oct 13th) and attend Back-to-School-Night (Aug 29th). Please feel free to contact me. I will not be able to answer the classroom phone during school hours, but will get back to you as soon as possible. Email is a very effective way to communicate with me.

Accessing Class Information:

The class web site will be used to keep you up to date on the work that has been completed in class and for homework. Please visit my web site for a list of assignments. You will be able to print copies of work that you misplace. You can access it from the Lakewood High School web site at <http://lhstiger.weebly.com/>. Click on *Staff Directory* at the top of the page, go to my site, and then click on *Algebra 2 Honors*.

Online Textbook:

The text for the class is *Discovering Advanced Algebra* (2004) by Murdock, Kamischke & Kamischke (ISBN: 1-55953-606-3), (first edition) and can be accessed on the internet at www.flourishkh.com. We are waiting for our online access codes and will give you a username and password when we have them. Please refer to the section of the text prior to the pages of the homework assignment as a reference for assignments.

Copies of the text are available in the library for use during off blocks.

Acknowledgment of Policies for Algebra 2 Honors

A parent or guardian must fill out the form to acknowledge reading these policies. The form is located on the class website under *Algebra 2 Honors, Syllabus, Acknowledge Class Policies*. Please fill out the form by Friday, Sept 9th.



LAKEWOOD HIGH SCHOOL
Home of the Tigers