

# Secondary Math Three

Westlake High School  
Room C137

Mrs. Jen Boucher

Email: [jboucher@alpinedistrict.org](mailto:jboucher@alpinedistrict.org)

[www.jenboucher.weebly.com](http://www.jenboucher.weebly.com)

Students in Secondary Mathematics III will focus on pulling together and applying the accumulation of learning that they have from their previous courses. They will apply methods from probability and statistics, expand their repertoire of functions to include polynomial, rational, and radical functions, they will expand their study of right triangle trigonometry and will bring together all of their experience with functions and geometry to create models and solve contextual problems.

## The Rules

Be Respectful  
Be Responsible  
Be Present

## Supply List

- \*Pencil & Paper
- \*3 ring binder
- \*Dry Erase Marker
- \*Glue Sticks
- \*Graph Paper Composition Book
- \*Graphing Calculator

(I use a TI-84+. They can be rented from the school if you wish.)

## Cell Phones

Cell phones must be put away during instruction and activity time. They may be permitted to listen to music during individual work time.

## Grade Breakdown

Grades are earned NOT given!  
Assignments: 30%  
Tests and Quizzes: 65%  
Participation: 5%

## Grading Scale

A	93-100%	B-	80-82.99%	D+	67-69.99%
A-	90-92.99%	C+	77-79.99%	D	63-66.99%
B+	87-89.99%	C	73-76.99%	D-	60-62.99%
B	83-86.99%	C-	70-72.99%	F	Below 60%

## Math Lab

There is an after school-tutoring lab available for extra help and students who are struggling are encouraged to attend! Dates and times to come.

## Cheating

A zero will be given for any assignment where cheating takes place. Copying homework, quizzes, or tests are all considered cheating. No retake option available if caught cheating!

## Office Hours

I will be in my classroom every Wednesday and Thursday from 2:15 to 2:45. Or by appointment.

## Retake Procedures

A max. of 1 test may be corrected per quarter. Students can earn 50% back on the problems they missed for the test that they fix. Extra credit will be offered for not remediating a test for the quarter. Students have 1 week to remediate the test.

## Policies

- \*HW completions scores are due the day after they are assigned and cannot be made up.
- \*HW will be officially graded on the day of the unit test and scored. The dead day for the unit is 1 class period after the test. HW can be checked by the student throughout the unit.
- \*If you are absent the day of a test you must take it the first day you return, and therefor will miss the next unit lesson.
- \*Reviews are a privilege and if you are absent the day of a review, you are still required to take the test the day it is given.

For a more detailed version of my disclosure, please visit my website! Here's to a good year!

## Course Syllabus

Secondary Math 3 will cover the following topics (not an inclusive list):

- |  |   |
|--|---|
| <ul style="list-style-type: none"><li>• Polynomial Functions</li><li>• Operations with Functions</li><li>• Polynomials, Linear Factors, and Zeros</li><li>• Solving Polynomial Equations</li><li>• Fundamental Theorem of Algebra</li><li>• Regression Models</li><li>• Transforming Polynomial Functions</li><li>• Simplifying Radical Expressions</li><li>• Operations with Radical Expressions</li><li>• Reciprocal Function Family</li><li>• Rational Functions and their Graphs</li><li>• Solving Rational Equations</li><li>• Roots and Radical Expressions</li><li>• Operations on Radical Expressions</li><li>• Solving Radical Equations</li><li>• Inverse Relations and Functions</li><li>• Graphing Radical Functions</li></ul> | <ul style="list-style-type: none"><li>• Exponential Models</li><li>• Properties of Exponential Functions</li><li>• Logarithmic Functions</li><li>• Exponential and Logarithmic Equations</li><li>• Natural Logarithms</li><li>• Angles and the Unit Circle</li><li>• Radian Measure</li><li>• Area, Law of Sines, Law of Cosines</li><li>• Graphing Sine and Cosine Functions</li><li>• Arithmetic and Geometric Sequences</li><li>• Arithmetic and Geometric Series</li><li>• Binomial Theorem</li><li>• Analyzing Data</li><li>• Standard Deviation</li><li>• Samples and Surveys</li><li>• Normal Distribution</li><li>• Density and Design</li><li>• Similar Perimeter and Area</li></ul> |
|--|---|

Signature Page:

I have read Mrs. Bouchers disclosure for Secondary Math III Lite. By signing below, I certify that I agree to abide by its' contents. I understand that it is my responsibility to communicate with Mrs. Boucher to request additional help and any concerns that arise. Mrs. Boucher will do her best to provide a quality learning experience, but it is ultimately my responsibility to do all that I can to master the course this year.

Student Name: \_\_\_\_\_

Preferred Name (if different): \_\_\_\_\_

Class Period: \_\_\_\_\_

Student Signature: \_\_\_\_\_

Parent/Guardian Name: \_\_\_\_\_

Parent/Guardian Signature: \_\_\_\_\_

Please Circle Best Way to Contact You (parent):

Phone: \_\_\_\_\_

Or

Email: \_\_\_\_\_

Anything I should know about your student:

---

---

---

---

Here's to a great year!