



400 Lincoln Avenue, Orange NJ 07050 ♦ Tel: (973) 677 – 4050 ♦ web: <http://www.orange.k12.nj.us>  
♦ Email: [info@orange.k12.nj.us](mailto:info@orange.k12.nj.us)

## MATHEMATICS DEPARTMENT

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### SYLLABUS

Fall - Spring  
2022 - 2023

**Teacher:** Mr. Keskin

**Contact:** (973) 677 - 4050

**E-mail:** [keskinme@orange.k12.nj.us](mailto:keskinme@orange.k12.nj.us)

**Course Purpose:** The 21<sup>st</sup> Century needs highly educated, self-motivated people having a strong mathematical background. This course is designed to help High school students develop mathematical power - the ability to use what they know - and to give them a good start toward higher level math. In this course, each student will be able to relate and apply algebraic concepts to geometry, statistics, data analysis, probability, and discrete mathematics. This course also helps students learn reasoning skills, make connections to the real world, become expert problem solvers, and explain their work to the others. Students also connect mathematics to other topics they are studying, like biology, geography, art, history, and health thorough problems that are rich in algebraic content.

**Textbook:** The Common Core Initiative is raising the bar to help ensure that all students acquire the critical knowledge and skills necessary to succeed in college - and in their careers - regardless of the state or district they live in, or the school they attend. Algebra 2 is high school math program - completely written from and to the Common Core State Standards that has already been proven effective by an independent research study. The new program fully addresses the Common Core Content Standards and infuses the Standards for Mathematical Practice throughout every lesson. You may be given some extra work sheets and documents during and after class time. Each student will have items to use at home.

**Materials and Equipments:** Notebook (Graph paper or Quadrille-100 pages) for class use and 1 package of graph paper (100 pages) for homework assignments, pencil, eraser, calculator. We will use **TI-84** and the calculator will be provided to students for class use. A ruler, protractor, compass, and triangle will be required.

**Assignments, Homework, Tests and Projects:** I may assign homework or class assignment, two or three days a week. All assignments must be turned in the day they are due. Students who are absent from class on the day the assignment is due must turn in the assignment the day that they return to class. Refer to the Student Handbook for makeup of work after successive days of absence.

**Homework:** The homework will be given from the book (paper either based or online) and sometimes, I may prepare a worksheet and give as homework. Written homework will be graded and passed back to the students in a timely manner.

**Homework Grading Policy:**

1. Homework must be completed and turned in the same way as on the sample homework.
2. You need to show all your work on your sheets.
3. Short answers will not be graded.
4. Each assignment will be graded out of 100 points.

If a student does not turn in his/her homework on the due date, he/she will receive a grade of zero. The student who receives zero on a homework grade will have 3 class days to turn it in for a grade. There will be a 10 points deduction for each class day of tardiness. ANY HOMEWORK ASSIGNMENT turned in after three class days late will automatically receive a grade of zero

**Note-taking:** Note-taking is a very important skill that we will be working on throughout the school year. Students will be expected to take notes every day during lectures, discussions, and class activities. These activities expand on the information provided in the textbooks. As a result, note taking plays an important role in test/quiz performance. Use only PENCIL to take your notes and doing your Homework You may use different colors for titles, date etc. Keep your eraser with you.

Notebooks and binders (Graph paper or Quadrille) are necessary to help students keep their material organized and available for reference at a later time. Students must take notes and study these notes to have strong math knowledge. ALL students are REQUIRED to keep ALL written homework assignments, quizzes/pop quizzes/tests, handouts, class notes, and other related materials in their binders. The notebook must be kept clean and orderly. The notebook will be checked randomly for a class participation grade. For homework, students should use graph paper and the pages should not be torn out of the notebook.

**Test and Quizzes:** The format for test and quizzes will be the same. They may include multiple choices and free response questions. MAKE-UP TESTS for excused absences must be taken as soon as possible after regular class hours. The time will be determined by the teacher. Students who fail to show up for their make-up tests will receive an automatic grade of ZERO. Absences of two or fewer days before a test will not excuse the student from taking the test on the announced day, unless the teacher has approved a different date prior to the test date.

**Quizzes:** Quizzes will be announced at least one day in advance.

**Tests:** Chapter tests will be given at the end of each chapter. A quarter final will be given at the end of each quarter.

**Participation:** The grade will be based on positive contributions to classroom activities. This includes active participation, asking appropriate questions, giving answers respectfully, contributing to discussions and teamwork skills. Students may lose participation points in case of disruptive behavior, tardiness, and inattentiveness.

<b>Grading Policy:</b>	25 % Authentic Assessment
	25 % Tests
	20 % Classwork
	10 % Homework
	20 % Quizzes

**Make up Work:** It is the student's responsibility to ask the teacher for makeup homework or testing in case of his/her absence. If a student does not take a make-up test until the end of each grading period, he/she will automatically receive a zero. All makeup work must comply with the Student Handbook. Making up work due to an unexcused absence requires a personal conference with me. Truancy always results in a grade of zero for any missed assignments including tests/quizzes.

**Honor Code:** Orange High School demands the highest degree of PERSONAL INTEGRITY at all times. Students must complete their own work. CHEATING OF ANY KIND WILL NOT BE TOLERATED! If Students cheat, they will automatically receive a ZERO for the assignment or test. Cheating includes wandering eyes on a test or quiz, copying homework assignments or test answers, sharing of any information on tests/quizzes with others, and using a cheat sheet. PLAGIARISM of any printed material or online sources will also receive a grade of ZERO.

### **What Will You Learn This Year?**

1. Quadratic Functions and Equations
2. Polynomials
3. Radical Expressions and Equations
4. Rational Expressions and Functions
5. Exponential and Logarithmic Functions

### **Testing Policy:**

1. Tests will be given to you on the scheduled days. Test days will be announced ahead of time.
2. Any kind of cheating will be given 0 (zero) points during the test and will be referred to the administrator and your parents/guardian.
3. You may not use your notebook and textbook during the test unless you are told to do so.
4. Students are not allowed to talk during the testing time.
5. If you finish your test, put your test face down and stay quiet and wait for the next assignment.
6. Use your own pencils and erasers, ONLY.
7. Assigned calculators are used only at teacher's discretion.
8. Show all your work.

### **E-devices Policy:**

OHS provides I Chromebooks to students as part of the learning environment. The use of these resources is a privilege and not a right. While these systems have the power to deliver a vast number of resources to classrooms and enhance education, their effectiveness depends on the responsible and ethical use by every individual. Violation of this administrative rule will result in the loss of this privilege and may result in discipline action. In this manner

- 1- Chromebooks must be used only for educational purposes.
- 2- No other personal technological devices and earphones allowed in the classroom.

### **CLASS RULES AND CONSEQUENCES**

1. Follow all directions the first time they are given.
2. All students should be in their assigned seat on time.
3. Be respectful and courteous at all times.
4. Raise your hand and wait to be called on before speaking.
5. Remain silent when others are speaking.
6. Remain in your seat unless given permission to do otherwise.
7. Come prepared each day with your notebook, folder, an eraser completed homework and several sharpened pencils.
8. All rules outlined in the handbook also apply.

If you break any of these rules, depending on the situation, the following consequences will occur:

#### **CONSEQUENCES**

1. Warning (Not necessary for every individual student and for every different case)
2. 15 minutes in school detention from 2:45 **P.M** to 3:00 **P.M** in room 272 (Parents not called)
3. 45 minutes in school detention from 2:45 **P.M** to 3:30 **P.M** in room 272 (Parents called)
4. Saturday detention. (Parents called)
5. Refer to Office.

For a complete list of discipline point cases, please refer to the Student Handbook, not attending any detention will cause a stronger consequence.

**ORANGE HIGH SCHOOL  
SYLLABUS RELEASE FORM**

Parents need to sign the form and have it returned by Friday, September 9, 2022. I am looking forward to getting to know each student and his/her parents/guardians.

**Today's Date:** September 7, 2022

**Teacher:** Mr. Keskin

I received and I have read a copy of the syllabus for the academic year of 2022-2023

**Student Name (Please Print):** \_\_\_\_\_

**Parent/Guardian Name (Please Print):** \_\_\_\_\_

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

**Home Address:** \_\_\_\_\_

**Date returned:** \_\_\_\_\_

**E-mail Address:** \_\_\_\_\_

**Phone Number (Home):** \_\_\_\_\_

**Phone Number (Work):** \_\_\_\_\_

**Phone Number (Cell):** \_\_\_\_\_