

Oakmont High School Mathematics Fall 2018: Integrated Math1 (IM1)

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Welcome to Integrated Math 1!

In this course we will work collaboratively to:

- Become better problem solvers
- Increase critical thinking skills and promote deep conceptual understanding
- Enhance numeracy
- Gain appreciation of mathematics and its applications
- Increase perseverance to solve math problems that seem unfamiliar
- Work in groups to share mathematics from different perspectives
- Improve mathematical communication skills

The topics that will be analyzed include:

- Module 1: Patterns – Quantities and Relationships, Sequences, Linear Relationships
- Module 2: Linear Relationships – Linear Functions, Inequalities, Systems, Coordinate Plane
- Module 3: Exponential Relationships – Functions, Transformations, Growth and Decay
- Module 4: Statistics – One Variable, Two Variables
- Module 5: Geometric Functions – Constructions, Rigid Motion, Congruence

Class Expectations:

- The Six B's: BE prepared, BE prompt, BE involved, BE respectful, BE responsible, BE productive
- Commitment: Take ownership of your mastery of the essential learning outcomes. Stay on task. Ask for help as you need it and come for intervention and after school tutoring.
- Integrity: Make good decisions. Do your own work and keep your tests to yourself.
- Tools: Bring class materials and your calculator each day. Cell Phones are prohibited unless they are part of the day's classwork.

Materials:

- Class Text
- Binder, Paper (lined and graph), pencils, pens, erasers, highlighters
- White board parkers
- Online access

OHS IM1 Grading Policy:

- **Coursework** **20%**
 - Homework, classwork
 - Performance Tasks

- **Formative Assessments** **30%**
 - Formative assessments can each be retaken once

- **Tests** **50%**
 - Tests on modules or topics. Cannot be retaken so please be prepared!
 - Midterms and Semester Exams. Cannot be retaken so please be prepared!

OHS IM1 Quarter Grading Policy:

- A: 90 – 100%**
- B: 80 – 89%**
- C: 70 – 79%**
- D: 60 – 69%**
- F: below 59%**

Technology Use in class:

Students will be using technology in the classroom and are held to standards of behavior and usage as set forth by the RJUHSD Technology Acceptable Use Agreement. Other resources such as video cameras, digital cameras, and audio recording devices may also be used at the direction of the teacher.

Extra Help is Available!:

- With your teacher (they will go over availability with you)
- During Intervention Period (offered by all IM 1 teachers)
- Math Lab – after school in room 111 2:35 – 4:30 each day
- 5th Period – after school in the library

Website Resources:

<https://www.khanacademy.org>
<http://www.mathtv.com>
<http://www.yaymath.org/video.html>
<https://www.desmos.com/calculator>
<http://www.wolframalpha.com>
<http://scientific-calculator.appspot.com>
<http://www.meta-calculator.com/graph-paper-maker/>

IM 1

ROAR EXPECTATIONS	RESPECT	ON TASK	AWARE	RESPONSIBLE
EXPECTED STUDENT BEHAVIOR	<p>Use appropriate language and tone with everyone</p> <p>Respect others' personal space and property</p> <p>Follow and respond appropriately to directions</p>	<p>Be present - physically and mentally</p> <p>Be prepared for class each day with assignments and materials</p> <p>Take an active, positive role in classroom activities</p>	<p>Be mindful of others' feelings, opinions, and experiences</p> <p>Help those around you</p> <p>Keep your workspace clean and organized</p>	<p>Be on time and ready to learn</p> <p>Write down due dates for all classes</p> <p>Use technology responsibly</p> <p>Be proactive</p>
Classroom Routine/Behavioral Expectations				
Entering the Classroom	Enter calmly, turn your phones off and put them in location designated by teacher, and find your seats before the bell and get out your materials.			
Starting the Class	To start the class promptly, have your materials ready to go. Students may be starting with homework questions, a CFU, Warm-UP, learning target, etc.			
Working Independently	You need to use your time wisely. When working independently, you are expected to work quietly, remaining on-task until the assignment is completed.			
Working in Groups	You are expected to collaborate with other students in class; this will entail being a cooperative member, being an equal contributor, remaining on task, and following the given directions.			
Asking for Help	<p>In-Class: Ask your group members first or consult other groups quietly. If you still have a group question, raise your hand.</p> <p>Intervention: Consult the IM website and look at the weekly intervention schedule. You must attend your priority intervention if you have less than 75% in the class. Take advantage of as many sessions as possible.</p> <p>Outside Class: email, refer to teacher's open time, attend Math Center after school in room 111</p>			
End of Class	Do not pack up until the bell. Return borrowed calculators or Chromebooks.			