

IM1 Syllabus

Welcome!

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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

Required Materials:

1) Binder:

Separate your 3-ring binder into the following sections using dividers with tabs:

- Current Unit
- Past Unit
- Test/Quiz
- Misc.

2) Textbook

3) Lined paper spiral

4) Graph Paper

5) Pencil, pen, highlighter, whiteboard marker

6) Ruler

7) Chromebook

8) Graphing Calculator: TI-84+ Silver Edition is recommended.*

*During class, TI-84 calculators are available; however, to become comfortable using one, it is best to have your own. Look for great deals on used calculators online.

Grades:

The approximate weighting for grades is:

Coursework	20%
Formative Assessments	30%
Summative Assessments	50%

Grades will be assigned as follows:

A	90—100%
B	80— 89%
C	70— 79%
D	60— 69%
F	Below 60%

Extra Help:

I will be available most Tuesdays and Thursdays after school (2:30 to 3:30 pm).
The Math Center is open on Tuesdays, Wednesdays and Thursdays after school.
Intervention Periods are Tuesdays and Fridays.

Helpful Details....

Communication	My e-mail is amuller@rjuhsd.us . It is my hope that students speak directly to me before parental contact is made. Seeking clarification or resolution on issues such as grades or absences is an important skill which students need to practice. Furthermore, students are expected to accurately communicate grades to parents, but parents can check grades on-line.										
Extra Credit	Extra credit is not available upon request and will not be issued to fix a grade. Some extra credit will be awarded at the end of the course for good participation in class. Earn points by volunteering to go to the board. Complete homework and classwork for additional points. Extra credit is restricted to 2% of your grade.										
Grades: Homelink	<p>It is the student's responsibility to check his or her grade regularly using Homelink. It is also the student's responsibility to accurately communicate this grade to his or her parents so they can be helpful and supportive.</p> <p>To access student grade information from home, go to HomeLink at http://homelink.rjuhsd.us. This site has information to help you get started.</p> <p>Math grades will be updated once every two weeks.</p>										
Grades: Progress Reports	<p>Parents should expect grades approximately one week after each of the following dates:</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;"><u>Progress Grades</u></th> <th style="text-align: center;"><u>Final Grades</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">09/06/19</td> <td style="text-align: center;">10/11/19</td> </tr> <tr> <td style="text-align: center;">11/08/19</td> <td style="text-align: center;">12/20/19</td> </tr> <tr> <td style="text-align: center;">02/07/20</td> <td style="text-align: center;">03/13/20</td> </tr> <tr> <td style="text-align: center;">04/24/20</td> <td style="text-align: center;">05/28/20</td> </tr> </tbody> </table>	<u>Progress Grades</u>	<u>Final Grades</u>	09/06/19	10/11/19	11/08/19	12/20/19	02/07/20	03/13/20	04/24/20	05/28/20
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Help at School:	<p>For tutoring, I am available most Tuesdays and Thursdays after school until 3:30 pm. You may also visit the Math Center T-TH from 2:30 until 3:30 pm. (Please ask for location as needed.) To all tutoring sessions, please remember to bring along your materials as well as a list of questions.</p> <p>Intervention period for IM 1 will be on Tuesdays and Fridays. Attendance is mandatory for students who have less than 75% in the class.</p>										
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IM 1 Online Resources for Students and Parents

1) Google Classroom	To access the Google Classroom for this course, you will need the code: jkft88						
2) Remind	<p>There are two ways to sign up for our class Remind account, which I will use to send reminders and handouts. If you like texting, use the texting option. If you like email, use the email option:</p> <hr/> <table><tr><td>By texting:</td><td>By Email:</td></tr><tr><td>TO: 81010</td><td>RECIPIENT: amuller4f@mail.remind.com</td></tr><tr><td>MESSAGE: @ amuller4f</td><td>MESSAGE: <i>(Just leave this blank.)</i></td></tr></table>	By texting:	By Email:	TO: 81010	RECIPIENT: amuller4f@mail.remind.com	MESSAGE: @ amuller4f	MESSAGE: <i>(Just leave this blank.)</i>
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3) Online Homework and Solutions	<p>Online access for homework problems and solutions. https://sites.google.com/a/rjuhsd.us/ohs-integrated-mathematics/</p>						
4) Helpful Websites	<p><u>Website Resources:</u> 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/</p>						

EXPECTATIONS FOR STUDENT BEHAVIOR

Honors Pre-Calculus is a challenging class. Frustration with the material is to be expected. To ease this frustration, you will need to really listen to others, ask questions, be patient, use internet resources and work hard. To keep us moving forward, it is important to demonstrate respect for everyone as we work together. In order to facilitate this I have laid out below my expectations for Honors Pre-Calculus.

VIKING EXPECTATIONS	CHOOSE RESPECT	BE RESPONSIBLE	HAVE INTEGRITY	ACTIVELY ENGAGE
EXPECTED STUDENT BEHAVIOR	<p>Be on time.</p> <p>Use appropriate language and tone with everyone.</p> <p>Be patient with yourself and others.</p>	<p>Be present-physically and mentally.</p> <p>Avoid missing class and over-scheduling.</p> <p>Use Google Classroom daily to pick up assignments or notifications.</p> <p>Seek help as soon as you need it.</p>	<p>Give all homework <i>your</i> best attempt.</p> <p>Be truthful in all communications with teachers and parents.</p> <p>Do not share quiz or test information with other classes.</p> <p>Adhere to testing protocols.</p>	<p>Use technology appropriately.</p> <p>Ask for help when you need it. Be helpful to anyone who asks.</p> <p>Take an active, positive role in classroom discussions.</p> <p>Pack up only when we have finished.</p> <p>Remain in your seat until the closing bell.</p>
Classroom Routine/Behavioral Expectations				
Entering the Classroom	<ul style="list-style-type: none"> ● Take out yesterday's work, your spiral for notetaking and a pencil. ● Be ready to start working. 			
Working in Groups	<ul style="list-style-type: none"> ● Contribute equally in pairs and in groups. ● Remain on task. ● Use unstructured time wisely. 			
Technology Use	<ul style="list-style-type: none"> ● Treat the chromebooks with respect. ● Bring your charged chromebook to class daily. ● Cellphones should be upside down on your desk or in your backpack. Your cellphone use may not interfere with instruction or learning. ● Video gaming and use of earphones are absolutely prohibited during class time. 			
Asking for Help	<ul style="list-style-type: none"> ● Ask questions during lecture and teamwork. ● Use Intervention or after school hours to seek extra help. ● Utilize all resources including textbook, internet and willing friends/neighbors. 			
Missing Class/Hall Passes	<ul style="list-style-type: none"> ● Avoid missing class. Reasons, even good ones, do not fix grades. ● If you must miss class, use Google Classroom/email teacher for missed work. ● If you miss an exam, see teacher immediately to arrange a testing time. <i>Students who are absent on the day of a test must make-up the exam after school the day he/she returns from the absence.</i> ● Tests may not be retaken during intervention period. There is not enough time. ● Use hand signal to request bathroom break. Choose a time which minimizes disruption to your learning. Sign out. Don't abuse the privilege. 			
End of Class	<ul style="list-style-type: none"> ● Do not pack up until directed. ● Remain in your seats until the bell rings. 			

To be successful in any mathematics class you take:

- **Attend class on a regular basis.** Statistics prove that those students who attend class regularly from the first day have much greater success since learning mathematics is a step by step process. Every time you miss class, you are missing vital information which will make it difficult to grasp later mathematical concepts.
- **Be involved in the class.** Math is not a spectator sport! Be an active listener, take good notes and write down key examples which are being presented. Ask questions when you are unclear about mathematical ideas.
- **Preview new material.** Before going to class, take some time to look over the section your instructor is going to explain the next day. This will help you have some idea which is to come and allow you to consider possible questions you may wish to raise in class.
- **Take time to do your homework and do it on time.** Mathematics can be a lot of fun when you understand what is being explained. When you are not keeping up with the class, it becomes more difficult to follow the instructor's explanation and to read the book.
- **Make friends in class.** Classmates can make great study partners, take notes for you when you must be absent, and encourage you when you experience difficulty. In fact, studies have demonstrated that those people who work together to learn mathematics have a higher success rate.
- **Seek assistance.** Sometimes, even when you attend class regularly, take careful notes, study your textbook and do all your homework, you still find that you do not understand certain concepts. If this happens, make an appointment to get help from your instructor during office hours. If a math lab is available, find out what tutoring services are available. Sometimes a different approach from a tutor or instructional assistant can help clarify any difficulties you might be having. In addition to tutoring, utilize the internet to help explain the material you are studying.
- **Be neat, accurate and well organized.** You should always attempt to do quality work on all exercises.
- **Persevere.** An interesting characteristic of learning mathematics is that at one moment you may feel totally confused, and then suddenly the light bulb goes on and you understand the material! Some mathematical concepts take time to digest and you might find that after a few days of working some of the exercises, they finally start to make sense.
- **Prepare for your exams.** In math courses, you show proficiency by taking exams. Study for exams by reviewing your class notes, examples in the textbook, chapter reviews, practice tests, and especially review all the problems on the study guide which accompanies your text.
- **Tell yourself what you have learned.** As you learn new concepts, point out to yourself what you have learned so that your confidence in your mathematical ability will increase. Each mathematical concept you understand becomes another tool that you can use.

I have read this syllabus for IM1. I understand the structure of the class and the requirements necessary for success.

Please return by Monday, August 12th.

Student's Printed Name

Date

Student's Signature

Parent's Signature

IM 1 Fall 2019