Integrated Math 2B Syllabus (2019-20)

School: *Garfield High*

**Garfield High School**

1255 16th Street • San Diego, CA • 92101

(619) 362-4500 Ext. 2202

**Integrated Math 2B**
**Mr. Bruce Newell, Room 202**

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Extra help available after school. Coordinate with teacher.

Prep Period 8:30-9:50

Integrated Math 2 is the second of three Common Core State Standards high school–level courses that integrate algebra, geometry, trigonometry, and statistics. This course focuses on geometric congruence and proofs, similarity, properties of circles, trigonometry and volume and surface area of 3-dimensional objects.

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| **Ch 6** | **Ch 7** | **Ch 8** | **Ch 9A** | **Ch 9B** |
| Geometry/Proofs | Similarity/Proportions | Circles | Surface Area/Volume | Right Angle Trigonometry |
| 2½ weeks | 1½ weeks | 2 weeks | 2 weeks | 1 weeks |

* **Care.**  Care about yourself. Care about your future. Care about how you spend your time and passing this class.
* **Try.**  TThere is nothing in this class that is beyond your abilities if you try from the first day. If you wait until the last week and expect to cram it all in, then your expectations will fail you.
* **Attend; Listen; Participate. Give your best effort. Remain mentally present and active.**
* You cannot learn math without attending and practicing. If the first time you attempt the exercises is on the test, do not expect to pass the class. You cannot learn if you do not pay attention and try. Practice is what will get you through the course successfully.
* **Work** on your assignments.  **Assignments are due the day after they are assigned.**  I will not accept late assignments after we take the test for the chapter.  You can work with others on assignments, but you cannot copy or you won’t learn. **Remain academically honest**. Remember, you are responsible for taking tests yourself.
* **Ask questions as needed.**  The most successful students ask questions to clarify what they don’t understand. We all have times that we need help. Use the resources at hand to help you succeed.
* **Perform on the tests.** You cannot pass the tests without practicing the work as homework. Do all that you can to prepare. You cannot use your chapter work, but you may use your class notes on the test.

DO NOT REMOVE THE TESTS FROM THE ROOM. IF YOU TAKE THE TEST OUT OF THE ROOM, YOU GET A **ZERO**.

 ***If you take a test multiple times, I will average your test scores for a single chapter together.***

 ***Your grade is from tests (70%), assignments/class participation (20%), and notes (10%).***

* It is required that you give explanations and evaluate explanations from others.
* Standards are performance-based (from your mathematical work), activity-based (from group work), and concept-based (from your written work).
* Your work needs to include critical thinking, reasoning, and evidence. If your work does not support the result or if your explanation is incorrect or incomplete, even a correct answer may still not earn credit.

**Grade percentages:**

**A: 90-100% ;**

**B: 80-89% ;**

**C: 70-79% ;**

**D: 65-69% ;**

**Below 65% is failing.**

**CHECK YOUR GRADES routinely. If you find an error online, get it corrected IMMEDIATELY!**

***Once the course is over, do not expect your grade to change.***

**Keys to Success: Preparation, Practice, Perspiration, and Perseverance.**

* *I will work with you, not for you.*
* Nothing works if you don’t.
* You cannot get good until you want to get better.
* I can’t want you to succeed more than you want it.
* Success is getting up one more time than you fall.
* If you have not done anything today to achieve your goal, it is just a dream.
* If you don’t put anything into this class, you won’t get anything out of it.
* You can keep up, but you can’t catch up.
* If you keep doing what you’ve always done, you’ll keep getting what you’ve always gotten.
* You cannot succeed if you do not try.
* *Don’t let the fear of striking out keep you from playing the game.*

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| **Mathematical Practices** |
| 1 Make sense of problems and persevere in solving them. | 5 Use appropriate tools strategically. |
| 2 Reason abstractly and quantitatively. | 6 Attend to precision. |
| 3 Construct viable arguments and critique the reasoning of others. | 7 Look for and make use of structure. |
| 4 Model with mathematics. | 8 Look for and express regularity in repeated reasoning. |