

## Integrated Math II Zeihen Syllabus 2018

**Course Description:** This course will cover: (1) reasoning with shapes using angle relationships and congruence, (2) the investigation of proportionality using similarity, trigonometry, volume and surface area, (3) the exploration of linear, piecewise, and exponential functions, (4) the search for structure in quadratic functions, (5) and making informed decisions using probability.

### **Required Materials:**

- Book: [Carnegie](#): Integrated Math II 2018
- Filler paper, graphing paper and a 3-ring binder for notes and handouts.
- Cornell Note paper for each completed Mathia workspace
- Mechanical pencil & eraser is recommended [COLOR is welcomed and encouraged]
- A scientific calculator will be needed from time to time [SIN, COS, TAN] [TI-83/84 Graphing Calculator is recommended if you want to advance in mathematics].
- Specific geometry tools: compass, protractor, and ruler.
- Your fully charged Chromebook
- A wireless mouse will be very helpful, especially with your MATHIA!
- Your own headphones for video tutorials.

**Late Work:** Late work can only be turned in at lunch or after school within the current module. If you have an excused absence then you have the # of days you were gone plus one to turn in any missed work, these may be turned in during class.

**Participation:** Students should participate not just on in-class assignments, but in discussions, too. Students learn best when they discuss and problem solve with their peers. Do not be a passive learner, be an active learner! This is the very best way to help your grade.

**Golden Rule: "Treat others as you would like them to treat you!"**

**Discipline Policy:** Any disruption to the learning environment will follow the following ladder of intervention:

1. Student is warned
2. Teacher/student discussion.
3. Detention with possible call home to parent.

Once all of these are exhausted the admin. will be contacted to find the best means for helping the student succeed.

**Phone Policies:** Any cell phone or electronic device, other than a calculator, must be put away during class or it will be confiscated unless the teacher has given permission for the day to gather data. Phones interfere with your ability to interact with your peers.

**Tutoring:** I am usually available before and after school or during lunch, especially if you let me know in advance. Math Lab is available in room 607 M-F 3:00-4:00pm. Teachers and peer tutors are available.

**Mathia:** The workspaces are part of your formative work category. Each workspace will require a Cornell sheet of notes. You are required to take detailed notes on each workspace. List/review/define all key vocabulary in each workspace. Watch the videos, pause and take notes. Draw and label diagrams and/or sample problems. Write down any important theorems/postulates you encounter. Include questions you have and a summary at the end. Remember that each workspace can be reviewed after completion. If you would like to redo a work space, please let the instructor know. This is another way to get access to reassessment of standards!

**Daily classroom guidelines:**

- I agree to **WEAR** my ID/lanyard before I enter Mr. Zeihen's room!
- I agree to be on time and in my seat at the start of class every day!
- I agree to do my assignments every day!
- I agree to **NOT** chew gum, eat food or drink (other than water) in the classroom.
- I understand that phones are very distracting to my learning environment. I agree to have my phone **OFF** and put **AWAY** during class at all times.
- I agree that it is my responsibility to have a neat and organized **BINDER** for notes and assignments.
- I must have loose leaf filler paper and graph paper in my **BINDER**.
- I understand that I have two bathroom passes for the semester.
- I agree that it is my responsibility to check the Integrated Math II **BLOG** for updates and missing assignments.
- I agree to have a scientific calculator of some type with me at all times.
- I agree that I must seek help, when necessary with Mr. Z, my peers, or through MathLab.
- I agree to not cheat or copy someone else's work. I will not understand the material or know how to do any of the **STANDARDS BASED ASSESSMENTS** if I copy work!
- I agree to respect myself, the teacher, classmates, and the classroom.
- I agree to be an active participant in my learning opportunities in the classroom. I understand that my cooperative interaction with my classmates is crucial to everyone's education.
- I understand that some assessments may be without the use of any technology.
- I agree to keep up with my Mathia online lessons.

Mr. Zeihen

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