**Geometry 2019/2020**

Syllabus

WFHS

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| **Instructor:** | Randy Kettelhut |
| **Email:** | Randy.kettelhut@husd.org |
| **Phone Number:** | 480.279.8053 |
| **Web Page:** | https://www.husd.org/Domain/3819 |
| **Office Hours:** | Tuesday 2:20-3:20pm, or weekdays by appointment (before or after school) |

**CLASS DESCRIPTION**

In this course we will use knowledge of shapes to learn practical applications of Geometry and logical thinking.  Algebra will also be applied to this study, so strong algebra skills will be needed and will be developed further. Topics include: Basics of Geometry, Reasoning and Proofs, Perpendicular and Parallel Lines, Congruent Triangles, Properties of Triangles, Quadrilaterals, Transformations, Similarity, Right Triangles and Trigonometry, Area of Polygons and Circles, Surface Area and Volume of 3D-figures. We will also work on concepts of problem solving using deductive and inductive reasoning.

**STRUCTURE:**

We will be problem solving on a daily basis in which you will be expected to express your thinking with others. We will be working in groups and individually, doing activities, projects, but there will still be lectures when needed. You will be responsible for completing work on your own outside of class time frequently in order for you to practice and ensure your understanding of the material covered throughout the course.

**MATERIALS NEEDED**

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| * Notebook **or** loose-leaf paper
 | * Graph Paper
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| * 3 ring binder or a folder
 | * Pencils
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| * Compass
 | * Erasers
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| * Protractor
 |  **Colored** pens/pencils/highlighters |
| * Ruler
 | **Colored** pens/pencils/highlighters |
| **The following items are suggested: Graphing calculator (TI-Nspire or TI-83 or newer (non-CAS) is recommended)** |

**SCHOOL AND CLASSROOM POLICIES**

1. **Cell Phones, Air Pods, and Other Electronic Devices**
2. The use of cell phones, earphones/air pods, iPods, laptops, or any similar electornic device **without** prior permission is prohibited in class. All devices must be turned off and placed in the cell phone holder (at the beginning of every class). If they are used, visible, ring and/or vibrate during class time it will be confiscated and given to the front office. In case of an emergency during the testing time, parents and/or guardians may contact the front office to reach their student.

**IF I SEE IT OR HEAR IT, I TAKE IT: ALL PERIOD, EVERY DAY, ALL YEAR LONG!!**

1. ***Students caught with their cell phones during any testing session will receive a zero on the assessment.***
2. **Absences**
	1. ***Absences are an interruption to your education and should be avoided as much as possible*.** However, if you must be absent remember that class continues without you. **You are responsible for copying the notes and completing the homework.**
	2. Late work will only be accepted for excused absences.
	3. Assignments due on the day that you are absent should be turned in upon returning to class.
	4. If you are absent on the day an assignment is given you have one day for every day that you are absent to make up the work.
	5. Please write “ABSENT” on the top of your assignment along with its original due date, so that I know the assignment is not being turned in late and turn it into the designated late-work box; not on my desk or in the regular turn-in basket
	6. **If you’re absent the day prior to an assessment, you will still take the assessment the same day as everyone else.**
	7. If you’re absent the day of a test, you will need to make arrangements to make up the exam on the test retake day. If the test is not made up on the retake day, the score will remain a zero. Quizzes will be taken upon return to school.
		1. If you are absent the day of a quiz or a test, it will automatically go into the gradebook as “missing”. **This will be switched out as soon as the quiz or test is made up.** This is purely a reminder for you, parents, and the teacher that the given test or quiz needs to be taken care of ASAP.
3. **Tardy/SWEEP**
	1. **FIRST HOUR ONLY –** students will be sent to the SWEEP room if they are more than ten minutes tardy to first hour.
	2. **You are responsible to get the work you missed by the end of that day.**
	3. Four (4) or more tardies will result in a referral to administration.
	4. If you are more than 10 minutes late to class, you will be marked absent (per state policy)
4. **Dismissal**
5. Expect to work from bell to bell. You will **not** leave your seats and line up at the door before the bell rings.
6. I will dismiss you from class; not the bell.
7. **Restroom**
	1. Because our class time is short and valuable, you need to go to the restroom between classes.
	2. Students are not allowed to go to the restroom during the first and last ten minutes of class.
8. **Gum, Food, Drinks, and Candy**
	1. You are not allowed to have any open containers of food or drink in my classroom (**water is the only exception**).
	2. No food or gum is allowed at any time.
9. **Math Notes/Notebook**
10. I will check your notes/notebook periodically during the year.
11. These checks may not be pre-announced, nor will every person’s notebook be checked in the same day.
12. **Assignments**
13. All assignments must be neat, complete, and turned in on time. Work that is sloppy or unreadable may result in a loss of credit.
14. Homework assignments are DUE at the beginning of class on the day after they are assigned; unless a specific due date is provided.
15. Assignments will:
* Be done in pencil.
* Be completed on lined notebook paper.
* Include the appropriate work. **No credit will be given for assignments without work. A list of answers is not acceptable.**
* **All** problems must be attempted; if they are not all attempted, loss of credit will occur.
1. **Late work will NOT be accepted.**
2. **Tests and Quizzes**
3. They will be over material that has been learned both in class and through homework assignments. It is up to you to make sure you *STUDY* all material.
4. Quizzes may be announced or may be a “Pop-Quiz”.
5. **Assessment Grade Improvement**
	1. **Students will be allowed two (2) test retakes per semester.**
	2. Students will need to sign up for the retake at least one day before the assigned retake day.
	3. Test corrections will need to be completed prior to retaking any assessment.
	4. Test retakes will be on a designated day approximately one week after the original assessment.
	5. Test retakes can only be done on that designated day.
6. **Cheating/Plagiarism**
7. Cheating/copying of any sort will not be tolerated and will result in a **ZERO (0)** for that assignment/assessment.
8. Students will not be allowed to make up that assignment/assessment.

1. **Math Tutoring and Homework Help**
2. My office hours will be Tuesday after school, or any time by appointment
3. NHS offers peer-tutoring Monday-Thursday after school in the Library.
4. [www.khanacademy.org](http://www.khanacademy.org) is a **great** extra help resource with video tutorials covering all geometry concepts.
5. **ALEKS**
	1. Throughout the year, we will be using the digital assignment known as ALEKS for many of the assignments, quizzes, and tests of the class. This website can be accessed by using the following navigation:
		1. Go to husd.org
		2. Click on the blue link labeled "Math Curriculum Student Login" near the lower end of the page
		3. Change the shown drop down menu from "clever.com" to "MHE" (McGraw-Hill Education is our book provider)
		4. A menu will appear with options that include one or more ALEKS sections and a textbook link.
			1. You will need to choose the correct ALEKS section to access the current assignments
			2. The textbook link is not often required, but does provide you with a digital copy of the textbook should you ever need it
	2. ALEKS assignments are going to be plentiful; expect assignments to be up on the site almost every week. If you fail to use this site, you are not likely going to have a great experience (SO PLEASE VISIT IT OFTEN).

ALEKS may also be used to administer tests and quizzes. It is a great resource, and we will use it to its fullest extent

1. **Canvas**
	1. Check canvas on a REGULAR basis. It will be updated consistently. What you can expect to find on your Canvas account: syllabus, class calendar/schedule, class notes and announcements.
2. **General Information**
3. **You are not to touch any my belongings (both on and off my desk) without permission.**
4. You are not to mess with the **thermostat**, Smart board, projector, radio, computer, or any other equipment without permission.

**GRADING**

**StudentVUE/ParentVUE PLEASE DOWNLOAD AND USE THE APP!**

Parents can access their child’s grades and assignments by going to the school’s website and clicking on ParentVue/StudentVue on the quick links bar (right side of the page). Students’ information is only accessible by using an individualized password assigned by the school. Parents may contact office personnel/counselor for their child’s password at 480-279-8000.

1. Synergy will be updated weekly. **It is the sole responsibility of each student to stay up to date**.
2. A dash or blank space in the grade book means the assignment has not been graded and is not factored into the grade book. The code “MI” for an assignment means that the assignment was not turned in stands for missing.
3. Any discrepancies should be brought to my attention as soon as possible.

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| **The grading policy for the class is as follows:**

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| Tests: | 40% |
| Quizzes:  | 20% |
| Homework/Classwork: | 20% |
| Semester Final:  | 20% |
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 | **The grading scale is as follows:**

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| 90% - 100% | = | A |
| 80% - 89% | = | B |
| 70% - 79% | = | C |
| 60% - 69% | = | D |
| Below 60 % | = | F |

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**Extra Credit Assignments**

No extra credit opportunities are available.

**BEHAVIORAL EXPECTATIONS**

*All individuals have a right to an educational environment free from bias, prejudice and bigotry. As members of the Williams Field High School educational community, students are expected to refrain from participating in acts of harassment that are designed to demean another student’s race, gender, ethnicity, religious preference, disability or sexual orientation.*

Students are expected to know and comply with ALL Williams Field High School regulations as printed in the student handbook, as these rules, polices, and procedures will be followed in class. Students are also asked to:

**Be Respectful**

* Teachers have the right to teach. Students have the right to learn. No one has the right to interfere.
* I expect students to be quietly and actively listening and taking notes whenever I am explaining new material or answering homework questions, as well as when classmates are presenting material.
* Use only language that builds others up, not tears them down. Students have a right to be in classroom where they feel safe to voice their opinions and questions without the risk of verbal humiliation from their peers.
* *Profanity and racial slurs will not be tolerated*.
* Keep hands, feet, and objects to yourself. In order to have a safe and orderly classroom, students need to know that they are protected from being hit, kicked, or their property being taken or destroyed.

**Be Prepared**

* Come to class ready to learn.
* Bring all materials necessary for your success in class.
* Never settle for anything less than your best.
* Strive to learn something new each day.

**REMEMBER: Communication prevents 99% of all potential problems.**

**BEHAVIOR CONSEQUENCES**

All of your teachers believe that you are able to make good choices and can be trusted to follow the rules and guidelines set up by the school. It is your responsibility to show good character and follow the expectation and procedures listed in this handout. Understand that **actions have consequences**. You are responsible for your actions and your actions have consequences; good AND bad. Think before you act! Some of the positive consequences you will receive for following procedures and expectations are: Verbal praise, positive phone calls home, etc. Listed below are the negative consequences should you CHOOSE to break a rule or CHOOSE to be disrespectful:

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| **1st Offense:** | Verbal reminder of the class rule. |
| **2nd Offense:** | Parents will be contacted regarding behavior. |
| **3rd Offense:** | Office referral |

More severe offenses such as fighting, stealing, or other safety issues will be referred to the school administration immediately.

**5 ways to help your student be successful in math**

1. Never say that your student is weak in math (at least not in front of them). Focus on what your student is capable of doing in math and continue to motive your student.
2. Be involved in your student’s learning. Question them daily on what they learned in class.
3. Check your student’s math notebook/folder frequently. Check for completion of homework/assignment.
4. Check my class calendar on Canvas to stay current with lessons & due dates.
5. When in doubt “Google” the lesson. YouTube, Khan Academy, Purple Math, Math Warehouse are all **great** resources.

**\* Mr. Kettelhut reserves the right to modify any and all portions of the syllabus to improve the instructional and learning processes throughout the year. Parent(s)/Guardian(s) will be notified if modifications are made.**