



Deer Valley Unified School District

Sandra Day O'Connor High School

25250 N. 35th Avenue Phoenix, Arizona 85083
623.445.7100 623.445.7180 (fax) sdohs.dvusd.org



Course: Geometry Honors

Teacher: Denis Ohlwiler

Room: 609

Prep Hour: 7

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Voice Mail: (623)445-7251

Web Page: <http://dohlwiler.weebly.com>

Department Mission Statement:

The SOHS math department will ensure that all students will increase their competency in Math through quality instruction and collaboration.

Course Target Learning Goals:

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

Course Description

The course content is based on the Common Core State Standards and the Arizona State Standards. The Common Core Standards are based on following topics: congruence; similarity, right triangles and trigonometry; circles; expressing geometric properties with equations; geometric measurement and dimensions; and modeling with geometry. Because this year's sophomores will also be taking the AIMS test we will utilize the previous Arizona State Standards to ensure there are no gaps in their understanding.

Course Objectives

Congruence (CO)

- Experiment with transformations in the plane.
- Understand congruence in terms of rigid motions.
- Prove geometric theorems.
- Make geometric constructions.

Similarity, Right Triangles, and Trigonometry (SRT)

- Understand similarity in terms of similarity transformations.
- Prove theorems involving similarity.
- Define trigonometric ratios and solve problems involving right triangles.

Circles (C)

- Understand and apply theorems about circles.
- Find arc lengths and areas of sectors of circles.

Expressing Geometric Properties with Equations (GPE)

- Translate between the geometric description and the equation for a conic section.
- Use coordinates to prove simple geometric theorems algebraically.

Geometric Measurement and Dimension (GMD)

- Explain volume formulas and use them to solve problems.
- Visualize relationships between two-dimensional and three-dimensional objects.

Modeling with Geometry (MG)

- Apply geometric concepts in modeling situations.

Grading Policy

A =	90-100%
B =	80-90%
C =	70-79%
D =	60-69%
F =	below 60%

- Grades are cumulative for each semester. The grade book categories(which comprise 80% of your overall course grade) are as follows:
 - Tests/Projects and Quizzes(4 quizzes will equal 1 test) 72%
 - Formative Work & Math Notebook 8%
- The final exam will account for 20% of the overall course grade.
- No extra credit will be accepted.

Powerschool Access

The Powerschools site allows parents/guardians and students to access the student's grades, attendance, and other information. If you need your access information, please stop by the front desk during business hours. You will need a photo I.D. The web address is: ps.dvUSD.org/public

Make-Up Work

Upon return to class after an absence, a student has one school day for each day missed to make up work/test assigned during his/her absence regardless of the number of days absent. For example, if a student is absent on Thursday and Friday, he/she will have Monday and Tuesday of the following week to make up work and must turn in the work that was assigned during the days absent on Wednesday. It is the student's responsibility to check with teachers immediately upon return for work missed. Teachers may choose to schedule an appointment with the student to formulate a plan for the completion of make-up work.

Coursework and assessments assigned prior to the absence(s) may still be due on the date assigned or due on the first day that the student returns to class.

Class work missed as a result of an unexcused absence or SWEEP will result in a zero for that day. This includes tests, quizzes, labs, projects, participation points, etc. done that day.

Make-up work for extended absences may be requested through the Counseling Office and picked up there.

- *Note: No revised work and/or retakes will be permitted during the last two weeks of a semester.*

Late Work Policy

You are responsible for checking with me or another student for missed assignments(all assignments will be posted in the back of the room and on my website) and notes. You will have two days to complete a missed assignment. An additional day is added for each consecutive day absent. Do not make up work during class time. You must make up tests or quizzes missed due to an excused absence **within one week of the original test date.** In the case of serious or extenuating circumstances, please contact me to make other arrangements. As school policy dictates, unexcused absences or absences due to SWEEP cannot be made up. This means that if you go to sweep or have an unexcused absence during a test or quiz, you will receive a zero.

Long Term Project Policy

Long term projects are due on the date and time assigned, as defined in writing in advance by the teacher. **NO EXCEPTIONS. THIS SUPERSEDES THE MAKE-UP POLICY.** If the student is absent or the class does not meet that day, the PROJECT IS STILL DUE ON THE DAY ASSIGNED.

Classroom Behavior Expectations and Consequences

All rules and guidelines set forth in DVUSD Student Rights and Responsibilities document will be followed. You are expected to:

- Be prepared to work when the bell rings.
- Respect the rights and property of others.
- Be active participants in the learning process.
- Complete all assignments promptly.
- Ask for help when needed.
- Do your personal best.

Keys to Success

- Pay attention in class.
- Take notes. You can refer back to notes when doing homework at home.
- Ask questions. The only stupid question is the one that goes unasked!
- Complete all homework assignments, these are practice for the tests.
- Try all problems. It is surprising how much you can learn from mistakes!
- Study for all tests by reviewing notes and doing practice problems.
- Keep a positive attitude!

CLASS MATERIALS

All students should have the following materials to ensure success in my class. If obtaining these supplies is a problem, please contact me.

- Pencils (black lead, not colored)- I do not loan pencils, but I do have them available for purchase at \$0.50 each.
- 2 Dry erase markers
- 1 notebook for notes, homework assignments and journaling. (For math only)
- Graph paper
- Compass and protractor
- **Scientific or Graphing calculator - preferably TI-83 Plus or TI-84 Plus.**

Arizona law requires that public schools provide supplies required for academic success. This list represents optional, supplementary items which you may supply, at your discretion. If you have any questions, please feel free to contact the school.

Electronic Device Use

Technology (cell phones, iPods, hand-held devices, etc.) use in the classroom is intended to **enhance** the learning environment for all students; however, any use of technology that substantially degrades the learning environment, promotes dishonesty or illegal activities, is prohibited. If the instructor determines that the use of technology is a distraction to the learning process, either of the student using the technology or to those around him/her, the student may, at the discretion of the teacher, be asked to discontinue the use of technology in the classroom.

Personal Electronic Device Use:

Personal Electronic Devices include cell phones, iPods, other mp3 players and similar technology devices **used for entertainment and communication/social media**. Students are expected to refrain from the use of electronic devices for personal entertainment and/or communication (i.e email, instagram, facebook, etc.) during instructional time (as determined by the teacher or classroom designee). While students may freely use these devices before and after school, during passing period, and at lunch- the teacher will limit the use of personal devices and for which purposes during class to ensure that *all students are focused and ready to learn*.

Bring Your Own Device and Use of Electronic Devices to Facilitate Learning:

Sandra Day O'Connor High School will begin to integrate the use of tablets, laptops and smart phones **as a learning tool** in the classroom. Once the technology tools are added to the classroom for learning, the classroom teacher will inform students as to when they may use their device and for which purposes. Students must adhere to their teacher's guidelines for use and appropriate times for use. Any student who violates the teacher's guidelines will be subject to disciplinary action.

Please note- students may not access their personal devices, whether for entertainment or learning, if the teacher has stated that the classroom activities at that time do not warrant use. For example, during testing or assessments.

Plagiarism and Cheating

Cheating: In cheating, a student is taking the work of another, on any assignment, and claiming it as his/her own. At SDOHS cheating includes but is not limited to:

- Copying and/or offering homework verbally, in written form, or by electronic means from/to another student.
- Copying and/or offering questions and/or answers on tests or quizzes verbally, in written form, or by electronic means from/to another student.
- Pressuring other students to copy and/or offer homework, answers and/or questions on tests or quizzes verbally, in written form or by electronic means.
- Bringing in and using unauthorized information during class time, including information stored in any electronic

device.

- Offering or receiving information under circumstances in which information is not to be shared.
- Having anyone, including parents or tutors, complete assignments and submitting the work as one's own.
- Presenting collaborative work as independent work and independent work as collaborative. (In group work, one person should not and will not bear the burden for the entire group assignment.)
- Copying answers from answer guides in texts.
- Fabricating data, information, or sources. Presenting made up material as authentic.

Plagiarism: The act of plagiarism may include direct copying, but it may also be more complex than verbatim repetition. A student, in preparing a project for a class, will have plagiarized if he/she has taken information from sources without citing the sources that have been used. Plagiarized material may appear in a student's paper as word-for-word copying, a summation, or a paraphrase of another's ideas. A student has plagiarized whether the material from another source has been taken in whole or in part. In effect, by not naming the source, the student is claiming the work of another as his/hers. At SDOHS plagiarism includes but is not limited to:

- Submitting images and/or documents in whole or in part from the Internet without citation of the source(s).
- Copying another's work.
- Using another's ideas without proper citations.
- Incorporating portions of another's writing within the context of your own work.
- Failing to acknowledge a source of information.
- Using "unique" phrases without citations.
- Using graphics, charts, diagrams, or illustrations without citations.
- Using a translator (either in-person or on-line) without proper citations

Plagiarism and/or Cheating will result in disciplinary actions and a 0%, with no option to redo/retake. - **no exceptions.**

Loss of Credit Due to Absences

Upon reaching 5 unexcused absences or a combination of 12 unexcused and/or excused absences, a student may **lose credit** in any given class.

Any student may be placed on an Attendance Contract upon accumulating multiple excused and unexcused absences. Any student with excessive absences may:

1. Lose credit in one or more classes.
2. Lose parking privileges.

Communication

Please contact the Mr. O for any student concerns. It is crucial that teachers, parents, and students maintain open lines of communication in order to ensure the best support for student success. Contact information is provided at the top of the first page of this syllabus. After school tutoring is available by appointment Mon.-Thurs. 2:15-3:15, please sign up in the binder at the back of the room.

The Deer Valley Unified School District does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities. For any inquiries regarding nondiscrimination policies contact the Superintendent's Department, 20402 N. 15th Avenue, Phoenix, AZ 85027. 623.445.5000.

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Please return this portion by Aug. 16, 2013.

I have read the Course Syllabus and Guidelines.

Student Name (Printed) _____ Class Hour _____

Student Signature _____

Parent's means of communication if different than what appears on PS: _____

Parent Signature _____ Date _____