Geometry Syllabus



Instructor Candus Muir

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Room Location TCA HS – Room 2261

Office Hours By appointment

Course Overview

Geometry introduces geometric reasoning as a method for problem solving. In this course, we will explore the properties of geometric figures such as triangles, quadrilaterals, and other polygons. We will make constructions using pencil and paper, and we will practice using mathematical language to express ideas and to justify reasoning. We will explore the basis of formal mathematical proofs and solid geometry. The course material progresses from more visual, intuitive ways of solving problems to more formal explorations of geometric ideas, properties, and proofs. The Colorado Academic Standards in Geometry are a resource that will be used to guide instruction: https://www.cde.state.co.us/apps/standards/4,15,11.

Required Text

Burger, Edward B., et al. *Into Geometry*. Houghton Mifflin Harcourt Publishing Company, 2020.

Course Materials

- TI-83 or TI-84 graphing calculator
- Dry erase markers Black (4 or more)
- Highlighters (4 different colors)
- Composition book OR spiral notebook
- 3-ring binder (1.5 in)
- Geometry tools (must last all year)
 - Sturdy compass (Staedtler and Mr. Pen offer reliable options no plastic)
 - Protractor (see-through)
 - Ruler (centimeters required)
 - Colored pencils
- Please donate the item listed below based on last name:
 - A-L: 1 box tissues
 - M-S: 1 bottle hand sanitizer
 - T-Z: 1 pkg graph paper

Grading (Final exam is approximately 20% of grade)Homework/Participation 30%Quizzes 10%Tests 6

Hor	nework/Particip	oation 30%	Quizzes 10%	Tests 60%
А	93-100	B+ 87-89	C+ 77-79	D+ 67-69
A-	90-92	B 83-86	C 73-76	D 63-66
		B- 80-82	C- 70-72	D- 60-62
				F 0-59

Course Outline

1 st Semester	2 nd Semester
Essentials in Geometry (Planes/Reasoning/Proofs)	Quadrilaterals/Polygons/Triangle Similarity
Parallel and Perpendicular Lines	Right Triangles Trigonometry
Transformations	Properties of Circles
Triangle Congruence	Surface Area/Volume
Relationships with Triangles	Probability

Cell Phone Policy

- Silence phones (not vibrate).
- All phones stay in "hotel" or backpack until dismissal.

Homework Policy

- Expect homework to be assigned every day. Homework is due at the beginning of class.
- For full credit, homework must be on time, with all work shown, formatted correctly, and neatly completed. A workbook will be used in this math course.
- Late policy:
 - Please advocate for extra time if there are extenuating circumstances PRIOR to the assignment being due via email.
 - o Maximum of 50% credit for late work (unless late for excused absence or an extension was granted).
 - Late work will be accepted until the day of its respective test. After the test, all late work will be recorded as a 0.

Test Policy

- Use quizzes as an opportunity to assess your understanding of the material prior to testing.
- You are expected to take the test on the day it is scheduled; if you have extenuating circumstances, please advocate for grace.
- If you are absent, the test should be made up on the day you return (if possible). If not, it is your responsibility to schedule a test make-up with me on your return.
- Test retakes are available, if a study session has been attended.

Classroom Expectations – Titan Creed

Titans endeavor to recognize and pursue truth, beauty, and goodness. Titans celebrate virtue in scholarship, relationship, and citizenship. Titans take ownership of and find joy in learning. Titans value our responsibilities above our rights. Titans love, respect, and protect one another. Striving to be our best, do our best, and give our best to the world in Mind, Body, and Spirit. We are Titans.

PARENT / STUDENT RECEIPT & ACKNOWLEDGEMENT OF SYLLABUS

Course Title: Geometry	Teacher: Candus Muir
Please review this syllabus and student for reference.	sign below. Return only this page. The syllabus should be kept by the
Student: I have read this syllab all the rules and expectations li	us and understand all the information contained in it. I agree to abide by ted.
Student Signature	Date
Printed Student Name	
Parent/Guardian: I understand my child. My child has agreed	all the information contained in this syllabus, and I have reviewed it with o abide by all the rules and expectations listed.
Parent Signature	Date
Printed Parent Name	
Comments or questions:	