



James B. Castle High School

*Vision: We are global citizens who positively contribute to society.
Mission: Build character. Strive for competence. Instill commitment.*



School Year 2016 - 2017

Name of Course

Geometry

Teacher Contact Information

Mr. Inamasu

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Ms. Kyle

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Phone: (808) 305-0834

Room: P5B

Required Classroom Supplies due by: Monday, August 8, 2016

- Castle High School Planner
- Pen/Pencil
- Notebook/Composition Book
- Big Eraser
- Folder Paper
- Highlighter
- Binder/Folder

Course Objectives for the Year

Congruence

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

Similarity, Right Triangles, and Trigonometry

- Understand similarity in terms of similarity transformations
- Prove theorems involving similarity
- Define trigonometric ratios and solve problems involving right triangles
- Apply trigonometry to general triangles

Circles

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

Expressing Geometric Properties with Equations

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

Knight Pride
Demonstrating

Relationships by being respectful, responsible, resourceful and resilient.
Character, competence and commitment



Geometric Measurement and Dimension

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

Modeling with Geometry

- Apply geometric concepts in modeling situations

Common Core Mathematical Practice Standards

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

Classroom Expectations

1. Observe all Department of Education and Castle High School rules and policies.
2. Attend class every day on time with necessary supplies.
3. Be in your assigned seat when the tardy bell rings. You should remain in your assigned seat throughout the class period until the class ends and the bell rings.
4. Complete all assignments on time.
5. Leave the room only with permission and a pass.
6. Remain alert, attentive, and cooperative throughout each class period.
7. Be respectful to everyone in the classroom.
8. No eating, drinking (except water in a container with a cap/cover) or gum chewing allowed in the classroom.
9. iPods, cell phones, and other electronic devices should be off and stowed away throughout the class period, unless given permission by the teacher.
10. Respect other's personal belongings and assignments by not touching them.

The Castle High School Grading Policy will be followed in this class. The Policy is as follows:

Infinite Campus

Infinite Campus is the school's on-line grade calculating and reporting program. I will update grades by 3 p.m. every Monday.

5-Point Grading Scale

Although Castle High School is currently not a standards-based grading school, we are working toward standards based grading. Therefore, all assignments and assessments will be based on a 5-point grading scale. Some grades may reflect half credit increments. For example, a student may receive a grade of 2.5 for an assignment. I have the discretion to assign a weight to larger assessments, with the maximum weight being three.

Grade for the Assignment or Assessment	Letter Grade for the Assignment or Assessment
5	A
4	B
3	C
2	D
1	F

Furthermore, extra credit will not be offered.

Quarter, Semester, Year Grades

Quarter grades will be based on this formula:

All graded **assignments** – 15% of total grade

All graded **assessments** – 85% of total grade

Semester grades will be based on the average of the two quarter grades.

Year grades will be based on the average of both semesters, except for courses with End of Course (EOC) exams. EOC exams will account for 15% of the student's year grade.

Retakes

Students need to conference with me and request a re-take. Corrections to the test and all assignments leading up to the assessment must be completed in order to be eligible for a re-take. If a re-take occurs, I will take the higher grade. Re-takes are not provided for unexcused absences and firm deadline assessments.

Firm Deadlines

Firm deadlines for large projects and finals can be established if communicated at the start of the project or quarter and reiterated often.

Late Work

Students need to conference with me to request turning in late work for credit. If accepted, students may have up to but no longer than two weeks after the due date to submit work. **Maximum grade for late work is a 4.**

Unexcused Absence

Work will be given to students and students will have the opportunity to turn in the work for a grade. Students may have up to but no longer than two weeks after the due date to submit work. **Maximum grade for an unexcused absence is a 4. No re-takes allowed** for work turned in from an unexcused absence.

Finals Week

A final exam may be given at the end of each semester. A final exam schedule will be distributed early in the semester. Students should take every opportunity (A-period tutoring, re-takes, etc) to keep up with academic work throughout the semester to be prepared for each course's final exam. Taking children out of school during finals week may be detrimental to their overall grades.

Scope and Sequence for the 1st Quarter (update will be provided at the start of each subsequent quarter)

- Constructing Geometric Figures
- Points, Lines, Plane, Angles
- Right Triangles
- Area

Student Name: _____
Period: 6

Please sign and turn in by Monday, August 8, 2016

I have read and understood the syllabus for _____ class.

(Parent/Guardian Print Name)

(Parent/Guardian email or phone number)

(Parent/Guardian Signature)

(Date)

I have read and understood the syllabus for _____ class.

(Student email or phone number)

(Student Signature)

(Date)