**Malden High School**

**2013-2014**

**Course Syllabus**

**Name of Course:** Geometry CP **Room**: H414

**Instructor**: Ms. Gibbons ***Extra Help:***

Tuesday, Wednesday, Thursday 2:15-3:15 *Please let me know during class if you are coming for help.*

**E-mail:** [egibbons@malden.mec.edu](mailto:egibbons@malden.mec.edu) **Website:** http://mhsgibbonsgeometry.wikispaces.com/

**Materials:**

**Textbook(s):** Geometry, McDougal Littell © 2004

**Student Supplies**

* 3-ring Binder
* 2 lined Scientific Calculator (Optional: Graphing Calculator – TI-83 or TI-84 )
* Pencils
* Highlighters & Different Color Pens
* 3 holed lined paper
* 4 dividers

**Course Description:**

This is a course in plane and solid Euclidean Geometry. Topics include logic and the nature of mathematical proof, parallel lines and planes, properties of shapes, congruence, similarity and proportion, solid geometric figures, measure of area and volume and coordinate geometry.

**Topics By Quarter**

|  |  |  |  |
| --- | --- | --- | --- |
| *Quarter 1* | *Quarter 2* | *Quarter 3* | *Quarter 4* |
| *Refresh algebra skills* | *Classifying triangles* | *Pythagorean Theorem and Special Right Triangles* | *Circles and their parts* |
| *Introduction to basic geometric terms and figures* | *Congruence in geometric figures* | *Trigonometry in Right Triangles* | *Calculating arc measure, arc length and sector area* |
| *Measurements of segments and angles* | *Proving statements about congruent triangles and their parts* | *Ratio and Proportion* | *Area of a shaded region both regular and irregular* |
| *Angle pairs in lines and parallel lines cut by transversals* | *Triangle Sum Theorem and Exterior Angles Theorem* | *Similar figures: calculating side length and angle measure* | *Volume of Geometric Solids* |
| *Proving statements about segments and angles* | *Transformations in the coordinate plane* | *Properties of parallelograms and special parallelograms* | *Surface Area of Geometric Solids* |
| *Parallel and Perpendicular lines in the coordinate plane* | *Calculating distance in the coordinate plane* | *Properties of Kites and Trapezoids* | *Relationship between sides, surface area and volume of similar solids* |
| *Basic geometric constructions using a compass and straight edge* |  | *Area in parallelograms, special parallelograms, kites and trapezoids* | *Probability* |
|  |  | *Proving statements about parallelograms in the coordinate plane* |  |

**Distribution of quarterly grading components**

|  |  |  |
| --- | --- | --- |
| ***Grading Policy*** | Geometry CP | |
| Category | 1st and 3rd Quarter | 2nd and 4th Quarter |
| \* Tests & Quizzes \* Major Projects | 60% | 70% |
| \*Quarterly Exam | 10% | NONE |
| \* Notebook (notes, reflections, revisions, etc) \* Class Participation (written, oral, PLATO) | 20% | 20% |
| \*Home Work *(Assignments that must be completed outside of class which will reinforce content knowledge and skills; most often completed in notebooks*. Ex: Assignments from the text MCAS Review Assignments | 10% | 10% |

**Classroom Expectations:**

*Be Prepared.*

*Be Attentive.*

*Be Respectful.*

1. Be on time or be early.
2. Come prepared with all materials (Binder, Pencil, Calculator, and Homework).
3. A scientific calculator is required. STUDENTS MAY NOT USE CELL PHONES AS CALCULATORS
4. Unless otherwise specified, the classroom is a cell-phone free zone.
5. Raise your hand before speaking.
6. I am available for help Tuesday-Thursday after school until 3:15 or before school from 7:15-7:45. I encourage you to see me for help before or after school, but do not wait until the last minute.

**Classroom Procedures**

1. When you **enter** class you will write down the date, objective, and **Do Now.**

2. You have **5-10 minutes** to complete the Do Now. It will usually be a review of the previous day's lesson or homework assignment. **Once per week you will have a Do Now quiz** which will be announced ahead of time.

3. Once your Do Now is complete you will **complete the table of contents** row for that day.

4. Binders must be organized in **chronological order** (Do-Nows, Classwork, and Homework)

5. Every student must complete a table of contents with classwork and homework assignments.

6. On homework , all work must be shown and final answer must be circled in order to get full credit.

7. Homework is graded on a **0-2** scale:

**0** - Homework is not complete

**1**- Homework is started with very little effort. Many problems were skipped or no work was shown.

**2**- Homework is complete. All work is shown and final answer is circled.

Revisions count toward the binder check because they will have to be completed after the

assigned due date.

**No late homework** is accepted unless you have an excused absence. All assignments will be posted on the class wiki. **Homework will be checked at the start of every class during the Do Now**.

**Some homework will be collected and counted as a quiz grade.** You may or may not receive warning before this occurs.

8. Quizzes and tests for each unit will be kept in a folder that will be filed in the classroom. You must save all your quizzes and tests so you will have them to study for your midterm and final.

9. If you are absent on the day of a test or quiz, you will have **one week to make up the quiz or test** before or after school or during a free block. After a week, the grade will be a zero.

10. The binder is collected on the day of the unit exam.

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**Confirmation**

I swear that I have read and understand all of the policies set forth in this document.

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**Printed Student Name Date Printed Parent/Guardian Name**

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**Student Signature Parent/Guardian Signature**

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**Parent/Guardian Email Address**