**Instructor** Mr. Michael Urbanc

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**Expectations** My classroom expectations are broken down into three areas:

* + - 1. Respect – Respect yourself, respect those around you including your teachers and classmates, and respect my classroom and the school.
      2. Preparation – Come to class on time and with everything you should be bringing to class. This includes textbook, notebooks, supplies such as pencils, completed homework, and any other materials you are required to bring.
      3. Dedication – Do your best! Put forth your best effort, pay attention in class, take notes, complete work on time, and ask for help when necessary.

**Class Overview** Geometry Enriched is a course centered upon the study of Euclidian geometry, considering various geometric figures and their properties, proofs, and applications.  Students constantly apply their knowledge of algebra as well as previously learned geometric ideas to new situations in plane geometry, coordinate geometry, three-dimensional geometry, and related applied areas.  Geometry topics will be addressed from an advanced viewpoint with an emphasis on utilizing Algebra 1 skills and concepts.

**Course Goals** The goals of this course are to enable students to:

* develop inductive and deductive reasoning skills as they learn the elements of formal logic
* apply their knowledge of algebra and geometric ideas to a variety of problems and situations
* demonstrate an understanding of theorems and postulates and apply them appropriately

**Course Content** Here is a tentative schedule for topics we will be covering this year:

**1st Quarter** Introduction to Geometry, parallel and perpendicular lines, transformations

**2nd Quarter** Triangle congruency, angle and triangle relationships, quadrilaterals/polygons

**3rd Quarter** Ratios/proportions, similarity, right triangle relationships, trig functions

**4th Quarter** Circles and arcs, area and volume of 2D and 3D shapes and figures

**Requirements**  *Textbook #1:* ***Geometry for Enjoyment and Challenge****,* McDougal & Littell

*Textbook #2:* ***Big Ideas Math: Geometry A Common Core Curriculum****,* Larson & Boswell

*Calculators and Tools:* A Texas Instruments TI-30 or comparable scientific calculator will be required for the course, both in the classroom and at home. It is highly recommended one be purchased early in the year.

*Notebooks:* Each day, students should bring a college rule notebook and pencils. All notes and homework will use this notebook and will be checked on a regular basis. Multiple notebooks will be needed throughout the year (at least 2 or 3).

**Class Assessment** Semester grades will be determined using the following categories and percentages:

* Formative Assessments (Homework, short in-class daily quizzes) 15% of semester grade
* Summative Assessments (Quizzes, tests, projects) 65%
* Midterm Exam (covering only 1st half of the semester 10%
* Semester Exam (covering only 2nd half of the semester 10%

Other assignments and projects will be given at various points throughout the year. Details on these will be provided as the assignments/projects arise. There will also be additional rules in place, based on District 150 grading policies, that will be announced at a later date.

**Class Grading** All assignments will be graded using District 150 grading scale shown below:

90 – 100 A

80 – 89 B

70 – 79 C

60 – 69 D

50 – 59 F

40 Not turned in

**Homework**  Homework will be given on a regular basis covering a variety of topics. Students will be expected to complete the problem sets to the best of their ability and contribute to classroom discussion over these problems. Some of the problems will be very difficult and are meant to draw out discussion topics in class. At minimum, all homework will receive a completion grade and should be completed by the given due date. Assignments will be posted on the white board in the back of the room and on my website.

**Absences** ***Important:*** If you miss class due to an absence or activity, it is your responsibility to contact me prior to your absence or immediately upon your return to find out what material or handouts, if any, you have missed. Please copy any notes from a fellow classmate from the time you missed. If you have any difficulty doing this or cannot find someone to copy notes from, please see me. Notes from many sections will also be posted on my website for download.

**Late Work Policy** Assignments received after the due date ***will not receive full credit***. All late work will be scored per district grading guidelines, and it is the responsibility of the student to show me any late work. I will not hunt you down for missing work, but I will remind you. All due dates should be met to avoid grading penalties. Rare exceptions can be made for extenuating circumstances, but you must talk to me.

**Extra Help** I am available for extra help most days after school. You must let me know ahead of time if you are seeking extra assistance. Please understand I have a family and busy schedule, so please do not show up without prior notice. Otherwise, I am very flexible with dates and times and am more than willing to offer extra assistance if you are willing to put in the time and effort.

**Website** The website listed below will be a crucial component of our work this year. All students and parents have access to the website, and it will contain a good amount of very useful information such as weekly timelines, links to an online textbook, homework and activity solutions, and copies of classroom notes. It also contains a few other miscellaneous links such as a District 150 calendar, a Richwoods High School course catalog, links to various math related websites, and a few other items that will be updated as the year progresses. All students should become familiar with the layout as you will need it as the year progresses. Please contact me if you see anything out of place, incomplete, or missing.

<http://mrurbanc.weebly.com>