

Teacher: Adam Palczewski

\*Available for help most Block 4 (Hallway Supervision on A days)

Phone: 701-356-2050

E-mail: [apalczewski@west-fargo.k12.nd.us](mailto:apalczewski@west-fargo.k12.nd.us)

X handle: @HeadBallCoachWF

\*\*Email is the preferred way of contact.

\*\*Do not expect a same day response to emails or messages sent after 3:00 pm.

### **Course Description:**

Students will explore the concepts of Euclidean Geometry. This will include but not be limited to finding and labeling points, lines, and shapes on a Cartesian plane, proving various theorems, measuring angles and segment lengths, congruence, deductive and inductive reasoning.

**Textbook and Materials:** Geometry published by McDougal-Littell

- Calculator (only about \$10) – **Calculator Pro App available on iPad**
- Paper & Pencil (Notes and Homework is required to be completed on paper. It's best practice. Therefore, you will not be allowed to take notes on your iPad.)
- iPad – No Assignments will be expected on the iPad. You may need it for state assessments or quick check-ins. The first assignment covering the syllabus will be done on the iPad through Schoology.

Two apps will be utilized for this class, **Schoology** for course updates, and **OneNote** for course content and homework assignment keys.

### **Prior to Geometry, students should be able to.....**

1. Solve linear and quadratic equations
  2. Represent linear equations in slope-intercept form, standard form, and graphical
  3. Basic properties of real numbers such as distributive, commutative and associative properties
  4. Area and perimeter/circumference of basic shapes
  5. Solve proportions
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### **Course Objectives**

#### **Semester One**

1. Use proper notation and vocabulary to label and describe geometric figures
2. Prove an argument using deductive reasoning
3. Prove triangles are congruent or not congruent
4. Apply similar triangles to real-life situations
5. Use and prove parallel lines
6. Become proficient in creating logical arguments to prove hypotheses.

#### **Semester Two**

1. Utilize right triangles
2. Identify properties and solve quadrilaterals
3. Find area of regular polygons
4. Utilize properties of circles to find measurements of circles and sections of circles
5. Perform transformations
6. Analyze solids

**Basis of individual grades:**

Students will be graded based on completion of given tasks i.e. daily work, homework, tests and quizzes. Grades will be weighted on the following scale: Tests – 65%, Daily work and Quizzes – 15%. Quarter Final Exams – 20%

**Critical Assessments:**

Students will be given a cumulative final at the end of each quarter. They will have 3 chapter tests per quarter. Students will have multiple quizzes per chapter. Some assessments may be formative, and therefore, not used in the gradebook. This is to provide feedback and to check where gaps may exist in the students understanding of concepts. Students may also be asked to do one or more inquiry-based and hands-on projects to develop deeper understanding of geometry.

\*Using Artificial Intelligence apps is never an acceptable tool for any assessment.

\*The course syllabus can be changed at any time. Students are responsible to keep up-to-date on Schoology for changes.

**Grading Criteria:**

$90 \leq \% = A$

$80 \leq \% < 90 = B$

$70 \leq \% < 80 = C$

$60 \leq \% < 70 = D$

$\% < 60 = F$

**Class Rules and Regulations:**

- Be honest.
- Work hard.
- Write down your principles to live by on the first day of class. Look at them in the morning and at night.
- Help your classmates to learn, do not enable them to cheat.
- Manage your time as best you can.
- Strive for outstanding attendance.
- Your grade in this class does not define who you are as a person.
- What you get for a grade is nowhere near as important as what you learn. There are plenty of C-student millionaires and A-student poor. Learning and adapting what you learn to serve you is the most important thing.
- **No Cell Phones in class. It is state law.**
- See Packer Planner for school rules and regulations.

\*\*\*The WFHS Academic Integrity Policy will be applied strictly. See the student handbook.

**Additional Help:**

tutornd.com

brightstorm.com

purplemath.com

khanacademy.org

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