

**MATERIALS NEEDED:** 3-ring binder (1 inch recommended), pencil, protractor, scientific calculator (Texas Instruments TI-30XIIS is recommended.)

**COURSE DESCRIPTION:** Develop geometric concepts dealing with lines, angles, triangles, polygons, circles, and solid geometric figures. Building a vocabulary of geometry and its symbols to write logical proofs is essential. Applications of algebraic and computational skills are used throughout the course. Rigorous development of concepts prepares students to continue in higher level mathematics courses.

**TOPICS:** Topics (tentatively) include

1. Tools and basic terminology of geometry
2. Introduction to reasoning and logical proof
3. Parallel and perpendicular lines
4. Congruent triangles
5. Relationships within triangles
6. Quadrilaterals
7. Area
8. Special right triangles
9. Circles
10. Similar polygons
11. Introduction to right triangle trigonometry
12. Surface area and volume of solids

**CLASSROOM EXPECTATIONS:** Students are expected to

1. Bring all needed materials to class.
  2. Be in assigned seat and ready to begin when the bell rings.
  3. Respect self, others, and their property.
  4. Speak at appropriate times, using appropriate voice and language.
  5. Follow all school and district rules and policies.
- \* No food or drink, except for water.
  - \* Cell phones (and electronics) are to be turned off and put away during class.

**EXTRA HELP:** Extra help is available after school Tuesday's until 4:00. Additional times can be scheduled.

**ABSENCES:** Students are responsible for all material and work missed during an absence. Work missed due to unexcused absences will receive a "0". (Refer to the student handbook.)

Students are expected to complete class assignments and homework, maintain a notebook, prepare for tests and quizzes, and participate in class. All work must be labeled (name, block, date, and assignment), neat, legible, and with steps shown.

**GRADING:** Quarter grades are based on homework, assessments, and other graded work. Point values will vary. Percentage grades for each quarter will be calculated using homework as 10%, assessments as 70%, and other graded work as 20%. The final grade will be calculated by averaging the percentages earned for each of the four quarters.

- **HOMework (10%)**  
Homework is due the next day of class.  
Late homework assignments will not be accepted unless due to an excused absence.  
To earn full credit, homework must be completed and all steps shown.
- **ASSESSMENTS (70%)**  
Assessments include tests and quizzes.  
Tests and quizzes are announced in advance.  
Students have the opportunity to retake tests by following the district's retest policy.  
A final exam will be given.
- **OTHER GRADED WORK (20%)**  
Other graded work may include, but is not limited to class work, material in notebooks, and open-ended problems.

## NOTEBOOKS

Students should have a notebook. A three-ring binder is recommended. Notebooks should be organized and contain all course materials including the course syllabus, bell ringers, class work, notes and examples, handouts, and homework.

The Erie Public Schools grading scale is followed.

A +	97 - 100
A	93 - 96
B +	89 - 92
B	85 - 88
C +	76 - 84
C -	70 - 75
F	51 - 69