Ms. Conway's Class Expectations Geometry

mconway@schuylkillvalley.org
(610)-916-5520

Classroom Courtesy

- ☺ Always be prompt and in your seat BEFORE the bell rings. Detention will be assigned for repeated tardiness.
- ☺ Always be prepared, you should at all times bring a pencil, paper, textbook, notebook and other necessary items.
- ☺ Always be considerate to the teacher and your classmates. Disrespect of any kind will not be tolerated in this classroom!
- ☺ Always appropriately use pass privileges. Do not interrupt a lesson and do not ask too frequently.
- ☺ Always use pencil!
- ☺ Always take notes!

Grading Policy

Your grade is calculated by the total points system and is based upon:

- ★ Tests
- ★ Quizzes (may or may not be announced)
- ★ Assignments(Spot checked for completion or collected and graded)
- ★ Class Participation will be considered in making any upward adjustments in an individual's grade

Absences

It is your responsibility to get missed work and notes! Any handouts will be on the bulletin board for you when you return to school. Your assignments will be posted on Google Classroom.

PD1: xrquwn2
PD 2: xlv66fc
PD 4: uzo2uuf
PD 7: pht2ojh

- ☑ You must see me to schedule any tests or quizzes within 3 days of your return to school.
- ☑ Any work that is not made up within 5 school days results in a ZERO!
- ☑ Work may only be made up for excused absences.

Homework and Classwork Policy

- **Homework** : Upload any homework onto the Google Classroom Post. It should also be out on your desk at the start of class. Failure to do so will result in half-credit.
- **Classwork** is due by the end of the class unless instructed otherwise.
- **Graded Class/Homework**: Assignments may be given to be completed during class time or for homework to be collected and graded.
- Assignments(Non- graded) will be scored as follows:

  Full credit: Completely finished, on time, with all work shown in pencil.

  Half credit: At least half completed, in pencil, with all work shown or fully completed within 3 days.

Online Textbook and Other Resources

Other Online Resource

- **MyHRW.com**
- **Desmos Calculator**
- **TI-84 Graphing Calculator**
- **Delta Math**
- **Geometer's Sketchpad**

Extra Credit

- ➢ Extra Credit will occasionally be offered to the class.
- ➢ Extra Credit will NOT be offered on an individual basis!

MAJOR TOPICS (If time allows…)

1 – Tools of Geometry
- 1.1 Segment Lengths & Midpoints
- 1.2 Angle Measures & Bisectors
- 1.3 Representing & Describing Transformations

2 – Reasoning and Proof
- 2.1 Inductive Reasoning
- 2.2 Conditional Statements
- 2.3 Deductive Reasoning
- 2.4 Using Postulates and Diagrams
- 2.5 Reasoning Using Properties of Algebra
- 2.6 Proving Statements about Segments
- 2.7 Proving Statements about Angles

3 – Lines and Angles
- 3.1 Parallel Lines & Transversals
- 3.2 Proving Lines are Parallel
- 3.3 Perpendicular Lines
- 3.4 Writing Equations of Parallel & Perpendicular Lines

4 – Triangle Congruence Criteria/ Apps of Triangle Congruence
- 4.1 Applying Triangle Sum Properties
- 4.2 Congruence & Triangles
- 4.3 SSS Congruence
- 4.4 SAS, HL Congruence
- 4.5 ASA, AAS Congruence
- 4.6 Using Congruent Triangles
- 4.7 Using Isosceles & Equilateral Triangles

5 – Special Segments in Triangles
- 5.1 Midsegment Theorem
- 5.2 Perpendicular Bisectors
- 5.3 Angle Bisectors
- 5.4 Medians & Altitudes
- 5.5 Triangle Inequalities
- 5.6 Hinge Theorem

6 – Similarity of Triangles
- 6.1 Ratios, Proportions, & Geometric Means
- 6.2 Proportions to Solve Geometric Problems
- 6.3 Similar Polygons
- 6.4 AA Similarity
- 6.5 SSS, SAS Similarity
- 6.6 Proportionality Theorems
- 6.7 Similarity Proportions

7 – Trigonometry with Right Triangles
- 7.1 &7.2 (combo section) Pythagorean Theorem & Converse
- 7.3 Similar Right Triangles
- 7.4 Special Right Triangles
- 7.5 & 7.6 (combo section) Sine, Cosine, & Tangent
- 7.7 Solving Right Triangles

8 – Properties of Quadrilaterals
- 8.1 Angle Measures in Polygons
- 8.2 Properties of Parallelograms
- 8.3 Show Quadrilaterals are Parallelograms
- 8.4 Rhombuses, Rectangles, & Squares
- 8.5 Kites & Trapezoids
- 8.6 Identify Special Quadrilaterals

9- Transformations (covered throughout previous chapters)

10 - Angles and Segments in Circles
- 10.1 Central & Inscribed Angles
- 10.2 Angles Inscribed in Inscribed Polygons
- 10.3 Properties of Chords
- 10.4 Tangents & Secants to Circles
- 10.5 Angles in Circles
- 10.6 Segment Lengths in Circles
- 10.7 Equations of Circles

11 – Arc Length and Sector Area (if time)
- 11.1 Circumference & Area
- 11.2 Arc Length & Radians
- 11.3 Sector Area

12 – Surface Area and Volume of Solids (if time allows…..)
- 12.1 Volumes of Prisms & Cylinders
- 12.2 Volumes of Pyramids & Cones
- 12.3 Surface Areas

Have a successful school year!

Ms. Conway's Class Expectations

mconway@schuylkillvalley.org
(610)-916-5520

Have a successful school year!

TIPS FOR SUCCESS

- ☺ **Keep an orderly notebook** with notes, homework and quizzes.
- ☺ **Keep a permanent notebook** this should be a shortened version of your daily class notes that includes definitions, formulas and theorems.
- ☺ **Participate in class:** volunteer, ask questions, help classmates.
- ☺ **Practice:** Complete classwork and homework.
- ☺ **Prepare:** Study and practice for tests and quizzes.
- ☺ **Ask for help:** Whenever you are uncertain or struggling with concepts, see me for extra help. You can schedule time to work with me before or after school. I could also arrange for a peer tutor.
- ☺ **Give help:** Helping other students to learn furthers your understanding as well. It's a wonderful feeling to help someone else understand.
- ☺ **Be conscientious:** Remember that no matter how much someone else tries to help you learn, ultimately, you are the one who has to make it happen.