What You Will Use to Learn:

Texts and Materials:

- McDougall Littell: **Geometry for Enjoyment and Challenge** By Richard Rhoad, et.al. (ISBN 08660996545)
- **The Geometer's Sketchpad:** computer software

In addition, there will be lots of supplementary materials in the form of handouts presented to you by the teacher when needed – a folder/binder is needed to in which to keep these materials. It is the student's responsibility to keep track of the handout materials.

Assignments:

- Class assignments: You will be given tasks to perform, questions to answer, and problems to solve. Each person should be involved in all activities during the class.
- Outside of Class assignments: There will be additional assignments each and every day that each student must attempt and work conscientiously to complete.

Communication:

- Questioning: It is each student's responsibility to ask questions about concepts and problems that they do not understand.
- Comments: Feel free to address concerns about classroom issues to the teacher after class.
- Group Interaction: The importance of collaboration in working problems will be emphasized.

How You Will Learn:

1. The time we have in class is especially reserved for exploring the exciting world of mathematics. Please begin each class by *focusing on the math concepts and the agenda set by your teacher*.
2. Respect all of your classmates and your teacher, showing willingness to listen, to cooperate and to help.
3. Be prepared. Have pencils, papers, books, calculators, and other learning tools (e.g., compass) with you each day.
4. Respect and follow the expectations of the Dover-Sherborn student handbook.
5. Make up work when absent:
   - It is a student's responsibility to get assignments missed due to excused absences and make them up completely and on time.
   - If an absence is unexcused, credit will be deducted from class participation. In addition, assignments given out before the absence or tests missed must be completed and turned in *the day you return*.
7. Be on time to class.
8. Attempt to complete thoroughly and correctly all assignments on time.
9. Share your insights and learning with others in the class.
10. Challenge yourself to succeed, but accept your mistakes as learning opportunities.

Norms of Behavior

Students will be expected to adhere to the following norms of behavior *at all times* in this class:

- ***Respect your teacher:*** students will pay attention to the teacher at all times, will not interrupt him, and will not speak over him at any time.
- ***Respect your classmates:*** students will respect the efforts of their classmates at all times – interrupting a classmate's thought process, taunting, or speaking over a classmate will not be allowed. *You must raise your hand and be acknowledged before talking.*
- ***Respect yourself:*** Give yourself the best opportunity to learn by really investing yourself in the learning activities we undertake. You *can* learn geometry, but it takes honest effort.

Evaluating Your Learning:

Your teacher will use the following activities to determine a single evaluation of a student's progress and performance in this course.

- ♦ Homework (10%)
- ♦ Individual projects (10%)
- ♦ Class Participation (10%)
- ♦ Tests and Quizzes (70%)

How your Teacher will help:

⇒ Prepare learning activities and assignments each day.

⇒ Challenge students to think and encourage them to discover solutions to problems they may not understand.

⇒ Provide extra help when needed.
I will be available before and after school, but you must make an appointment with me!!

⇒ Manage the behavior of the classroom to provide a safe environment where learning can take place.

⇒ Prepare evaluative activities to show a student's level of understanding of the mathematical concepts presented.

⇒ Assign a single letter grade at the end of each quarter for the report card.
It is my intent to mathematically average each component of your grade using, **as a guideline**, *the following percentages (which may vary each quarter with varying activities):*

Tests & quizzes	**70%**
Class participation	**10%**
Homework	**10%**
Projects	**10%**

⇒ Midyear and final exams will count for 10% of your semester grade.

⇒ Prepare and distribute grade updates to students at the beginning of each cycle.

⇒ Maintain open lines of communication with students and their parents about all issues related to this class.

Geometry Shopping list:

* **Lots of pencils –** You must have a pencil (or pen) every day in class. Pencils are preferred. Mistakes are good and erasing is a valuable way to handle mistakes.

Notebook – You will need a separate notebook for Geometry notes, definitions, postulates, theorem & homework. I will provide homework packets for each chapter. You will need to keep all your tests, quizzes and homework packets, so folders within your notebook or a separate folder would be good. Former students suggest that a folder and a spiral notebook is the best way to go.

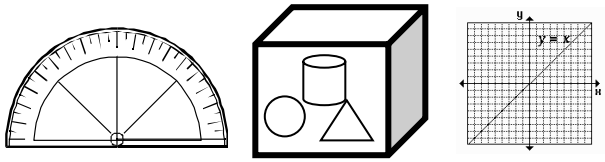
* **Paper –** Some math paper is available in the classroom as long as it holds out, but if you need a special kind, color, or size, you must furnish your own.

* **Calculator –** Get an inexpensive calculator. You **must** have it every day in class.

* **Compass, Ruler, Protractor –** These tools are important frequently throughout the year in this course. Keep them handy for class work and homework. I'll have these for the minimal price of $2.00

* **Colored Pencils or Markers –** It is important to visually identify geometric concepts in drawings. Coloring is helpful.

And remember…the place to go for all information about the class (and a few other fun things as well) is http://www.baroody.org !!!



Honors Geometry

2019-2020

What you will learn:

We will explore topics in this class which include:

- Definitions and Properties of Geometric Figures
- Congruence and Similarity
- Linear and Angle Measurements
- Parallel and Perpendicular Lines
- Triangle and Polygon Properties
- Geometric Modeling for Problem Solving
- Coordinate Geometry
- Logic, Inductive and Deductive Reasoning and Geometric Proofs
- Transformations
- Circles and Spheres
- Measurements - Planar and Space