

**Course Description:**

This class uses the Prentice Hall Mathematics textbook. This is the second in an integrated series of subjects offered at Chippewa Hills High School. This series is designed to make students better problem solvers thus providing a mathematical background to facilitate their introduction to college programs. We will be covering basic tools of geometry, reasoning & proofs, properties of shapes, perpendicular & parallel lines, congruent figures, relationships amongst triangles, quadrilaterals, Area, similarity, trigonometry, surface area & volume, properties of circles, and constructions. Concepts and applications are stressed and repeated so that lower-level mechanics become automatic and higher-level thinking skills can be applied in problem-solving situations. Scientific calculators will be used from time to time in this class, but are only used as a tool to benefit learning. Students should not rely on a calculator simply for the answer—work must be shown! Use of the TI-Nspire graphing calculator or TI-30 (provided for in class use only) is recommended. **Note:** All materials issued to students such as textbooks, calculators, and other manipulatives are to be handled with care. If you are allowed to take any or all of these learning tools home, it is your responsibility to safely transport them to and from school. If any of the above mentioned items become damaged or lost, you must pay to replace them.

**Student Expectations:**

- \*Be in designated seat working on the "Warm-up" or homework prior to the bell.
- \*Have assignments completed by the due date and come prepared to class.
- \*Use class equipment, materials, and class time properly.
- \*Treat everyone in our class with RESPECT.
- \*Comply with the guidelines stated in the student handbook.

**Materials Needed:**

\*Textbook, Scientific Calculator, Folder, Note Book, Pencil (Preferred), and other in-class items.

**Outline:**

We will cover most of the material in your textbook following the sequence set up by the authors. If any topic is to be omitted, you will be informed in advance. Reading the material along with working out examples throughout the text is very important to your success in this class. Everyone should be aware that learning is an active process that takes patience due to the many bumps encountered along the way. All questions are good questions in our class, so feel free to ask if you are unsure of anything. Please don't wait, ask immediately!

**Extra Help:**

Please feel free to come see me for extra help. I will make every attempt to help during and after regular class hours, especially before and after school. I am usually in my room by 7:40 a.m. and until 3:45 p.m. Please set up a time with me before showing up so I know you are coming.

**Evaluation:**

The three areas upon which your grade will be based include daily assignments, quizzes & projects, and tests. The breakdown is as follows:

<u>Assignments:</u>	5-10 points per assignment	≈270-300 pts. per trimester
<u>Quizzes &amp; Projects:</u>	10-25 points per quiz/project	≈120-160 pts. per trimester
<u>Tests:</u>	40-55 points per test	≈300-340 pts. per trimester
<u>Exam:</u>	200 points	

**Homework Assignments:**

- \*Given on a regular basis and primarily covers text, worksheet, and lecture material.
- \*All homework must show appropriate calculations, diagrams, and supportive information.
- \*Homework will be assigned daily with few exceptions. This is intended as practice. We will either correct the assignment together or you will turn in the assignment to the appropriate folder. Some assignments could be corrected and not collected. If a majority of the class still needs time to work on an assignment it will be provided as I feel necessary. Do not waste class time as it is very valuable to your success in this class. \*Students may turn in late assignment(s) up until the Quiz over the given assignment(s) for partial credit. Students who are absent from class will be able to follow the guidelines in the student handbook for full credit. It is your responsibility to find out what was discussed and assigned while you were absent from class.

**Note:** When you have been absent, you should:

- \*Check with a classmate to find out what you have missed.
- \*Collect any handout(s) that you have missed.
- \*Check with me toward the end of the hour.

**Quizzes/Project Activities:**

- \*Given after two to four lessons covering oral and written information primarily from discussions and homework. These are usually announced ahead of time.
- \*Worth 10-25 points. No retakes unless absent. If you miss class on the day of a test or quiz, you will be expected to take the test the next day you are in class. You may be given a make-up quiz or test that is different from the one given to the rest of the class. If you miss class the day before a test or quiz and return on the test day, you will take the test with the rest of the class on the day of the scheduled test.
- \***Homework Quizzes:** may be given without notice and consist of questions directly from your homework. You will have a couple of minutes to write down your answers from the homework showing all calculations for full credit

**Tests:**

- \*Comprised of questions similar to homework, quizzes, and examples found in lecture and throughout the book. Test questions may come directly from homework and old quizzes.
- \*Prior to each test, a chapter review will be given along with review time for questions and answers. Tests will be worth 40 - 55 points. See "Quizzes" above for make-up policies.
- \*Trimester Exam—The exam will cover material from all of the trimester.

**Grading Scale:** Grades are based on a point system adding to a final total to make up the percent.

94 - 100 %	A	80 - 82	B-	67 - 69	D+
90 - 93	A-	77 - 79	C+	63 - 66	D
87 - 89	B+	73 - 76	C	60 - 62	D-
83 - 86	B	70 - 72	C-	Below 60	E

I have read and understand the above information. Keep this signed document in your folder after you return it signed for points.

Student signature: \_\_\_\_\_ Parent Signature: \_\_\_\_\_