**Teacher Name and contact information:** (Preble Website)
Nic Zeitler
(920)391-2400 ext.41151
njzeitler@gbaps.org

**UWGB Course Name:** ET101 - Fundamentals of Engineering Technology (2 Credits)

**Course Description:** In this course, students use a problem-solving model to improve existing products and invent new ones. Students learn how to apply this model to solve problems in and out of the classroom. Using professional three-dimensional modeling software, students communicate the details of the products they design. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

**Textbook/Resource Material:** This course does not have a textbook. All course materials are accessed online through Project Lead the Way and our Google Classroom page. The address for the course content is www.mypltw.org. Students will be assigned login information on the first day of class.

**Daily supplies:** Each day students will need to have a pen, pencil, calculator, folder and engineering notebook for this class. Students will be provided with engineering notebooks in class.

**Course competencies (general subjects of learning):**
- Unit 1………………Design Process
- Unit 2………………Technical Sketching and Drawing
- Unit 3………………Measurement and Statistics
- Unit 4………………Modeling Skills
- Unit 5………………Geometry of Design
- Unit 6………………Reverse Engineering
- Unit 7………………Documentation
- Unit 8………………Advanced Computer Modeling
- Unit 9………………Design Team
- Unit 10………………Design Challenges

**Assignment Expectations:**
- Students are expected to turn in all assignments by the assigned due date. Due dates for assignments will be posted with the assignment in our Google Classroom page.
- Late work will be accepted for full credit until one week after the test date that marks the end of that unit.
Make up work or missing assignments: (district aligned)

All students with excused absences will be given the opportunity to make up work missed in accordance with the following guidelines.

1. It is the student's responsibility to contact the teacher(s) to make arrangements for making up the work missed during an absence from school.
2. Students with excused absences are allowed two school days for every day absent in which to complete their makeup work.
3. Student assessments missed during an excused absence will be permitted to be taken at a time mutually agreed upon by the student and the teacher.

Assessment Practices:

- The final semester grade will be calculated as follows:
  - Daily Work - 20%
  - Projects - 30%
  - Tests - 35%
  - Semester Exam - 15%
- Unit tests will each have one re-take opportunity. Re-taken test grades will be worth 80% of their score. The better of the first attempt and re-take will be entered into the gradebook.

Grading Policy: (aligned to district scale)

Board Policy 345.1
Condensed Grading Policy
Grading Categories and Percentages

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<td>1.67</td>
<td>F</td>
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Homework Expectations:

Students will be expected to complete work during the time given in class. If students need extra time to complete their work, students are expected to finish their work outside of class. The Inventor software can be downloaded at home, free for students through the Autodesk Education Community.

Academic Supports:

Students who need additional help can come to room 151 after school for additional help on every Tuesday and Thursday. Students may also be able to get help in the Math Lab or Science Lab depending on the assignment. Academic Supports 2016-2017
**UWGB Dual Credit Option**
Students will have the opportunity to be dual-enrolled for this course at Preble and UWGB if they want to get college credit as well as high school credit for this course. There is no cost for the students to earn credit through the dual credit process. Students will be provided with more information about this opportunity in the first week of class.

**Alternate College Credit Opportunities:**
At the end of this course, students will take the official End of Course Exam through Project Lead the Way. Scoring well on this test can give students the opportunity to apply for credit at various schools. MSOE and the University of Minnesota have different score requirements. UW-Stout offers credit for anyone who passes a PLTW course in high school. These credits may be transferable to other colleges and universities depending on their requirements. You can visit the links below for more information.

- MSOE Credit Application Procedure
- University of Minnesota Credit Application Procedure
- UW Stout Credit

**AP + PLTW:**
Students who have taken AP and PLTW courses and have been successful on the applicable tests can apply for special recognition by following this link. [https://www.apandpltw.org/](https://www.apandpltw.org/)

**Behavior Expectations:** (separate handout)

- Preble Pride Behavioral Matrix

**What can be expected of me (the teacher):**
- I will hold high expectations for all students.
- I will treat all students fairly.
- I will do my best to support the needs of all learners.
- I will stay up-to-date on grades in Infinite Campus

**What is expected from the student:**
- Students will do their best at all times in class.
- Students will ask questions when they need help.
- Students will pay attention during instruction and only use electronics for class work.
- Students will keep materials and files well organized.

**How can parents/guardians be engaged in their child’s learning:** Families can discuss the work students are doing in class. Attendance at Parent/Teacher conferences is encouraged to allow parents to meet the teacher and get a better understanding of what we do in class.
I have read and understand the expectations for Introduction to Engineering Design.

Print Student’s Name: ________________________________

Student Signature: ________________________________

Parent/Guardian Signature: ________________________________