Project Lead The Way Engineering

Woodbridge Senior High School | 2019-20 School Year

Mr. Castro | Mr. DeFelice | Mrs. Hille

Gradebook Set-up and Grading Procedures

On average, grades will be entered on a weekly basis and a score out of 100 percentage points will be awarded for each assignment. To learn more about how we are supporting our students with reporting academic progress, view this video.

Grades will be calculated based upon the following assessment categories:

50% - Quizzes/Projects: These assessments are a way for students to demonstrate that they have mastered learning target(s) that have been addressed during a unit of study. This type of assessment could occur during a unit or at the end of a unit. These assessments are often *high stakes*, which means that they have a high point value.

40% - Activities: These assessments is to *monitor student learning* to provide ongoing feedback towards a learning target that can be used by instructors to improve their teaching and by students to improve their learning.

10% - Essential Questions / Progress Checks: The goal of these assessment is to *monitor student learning* to provide ongoing feedback towards a learning target that can be used by instructors to improve their teaching and by students to improve their learning. These assessments are generally *low stakes*, which means that they have low or no point value.

The Prince William County Public Schools' grading scale will be used and is as follows:

A = 90-100%	C+ = 77-79%	D = 60-66%
B+ = 87-89%	C = 70-76%	F = 59% and below
B = 80-86%	D+ = 67-69%	

Multiple Opportunities to Demonstrate Mastery

Students will be allowed to reassess quizzes. In order to do so, students must demonstrate that they have prepared for the reassessment by ensuring that they have submitted all related activities and skill practices associated with the quiz. In addition, the instructor may assign additional practice opportunities that they feel would better prepare the student for the reassessment.

Late Work Policy

Late work will be accepted up to two weeks past the assigned due date published in Parent Portal and Google Classroom. In the event that the dates are not consistent, the later date will be used to determine late work. Students will be given one week after the assignment is graded to re-submit the assignment if they wish to improve their grade but only if the original assignment was submitted on time. This policy applies only to activities and skills practices and not quizzes or projects.

Projects are a large summative assessment, comparable to a large unit test. As such, it is not possible to turn in projects late. Students will be given explicit timelines and guidelines for submission of such projects and must submit them on time.

Attendance

Students who miss 10 or more classes, excused or unexcused, are at risk of failing and will be placed on No Credit Status.

AP Exam

Students enrolled in AP courses have access to new resources and supports through myAP.collegeboard.org. Additionally, all students are required to take the AP exams in May. The date/time of each AP exam is set by the CollegeBoard's AP program. **Your AP exam will be administered on <<enter date and time>>**. [Click to view all 2020 AP Exam Dates on the CollegeBoard website](#).

PLTW End-of-Course Exam (EOC)

All students will take the summative End of Course Exam as prescribed by Project Lead the Way regardless of their yearlong grade in the class. It will count as a summative grade for the fourth quarter and cannot be reassessed.

Electronic Devices

All electronic device are to be put away once entering the classroom. They are not to be in use during lessons, class discussions, quizzes, or tests. When devices are allowed to be used, they must be used for productive classwork, i.e. scanning, research, Google Classroom, or quietly working with headphones.

Google Classroom

Google Classroom will be used as an extension of the classroom. Announcements will be regularly be updated for current unit of study and assessments dates. Assignments can be found here as well and a link to the notes in EdPuzzle. Parents with a connected email can get regular email updates about their students. Students should be checking here regularly, especially when they are absent

Suggested Material

To be organized and successful in this class, it is suggested that you have the following materials: An engineering notebook (a spiral notebook, a composition book, or a true engineering notebook; something that the paper is bound and cannot be removed and replaced easily), pencils with an eraser, and colored pens/pencils.

Assessment Policy

If a student is absent for a quiz or test, then the student will complete the assessment in-class on the first day the student returns. It is the student's responsibility to make up the work and/or notes missed in class while absent and while taking the quiz. Assessment days will not change due to a student's absence.

Communication

Email is the preferred method of communication for general student questions and parent questions. If any questions arise, please feel free to send an email. The email will be addressed within 24 hours of receipt. Students with questions on a specific assignment should use the comment section of that assignment on google classroom.

Extra help

Teachers are available for extra help during flex period or after school by appointment. Please contact your teacher directly via email or set up an appointment in class. If you are seeing a teacher for extra help, make sure you come with specific questions and concerns and bring all of the required materials.

Topics:

Unit 1: Algorithms, Graphics, and Graphical User Interfaces
- **Lesson 1.1 Algorithms and Agile Development**
- **Lesson 1.2 Mobile App Design**
- **Lesson 1.3 Algorithms in Python**
- **Lesson 1.4 Images and Object-Oriented Libraries**
- **Lesson 1.5 GUIs in Python**

Unit 2: The Internet
- **Lesson 2.1 The Internet and the Web**
- **Lesson 2.2 Shopping and Social on the Web**
- **Lesson 2.3 Security and Cryptography**

Unit 3: Raining Reigning Data
- **Lesson 3.1 Visualizing Data**
- **Lesson 3.2 Discovering Knowledge from Data**

Unit 4: Intelligent Behavior
- **Lesson 4.1 Moore's Law and Modeling**
- **Lesson 4.2 Intelligent Agents**