

Unit 2: Drones

Syllabus

OVERVIEW & PURPOSE

This lesson is intended to introduce drone technology. Students should obtain a working knowledge of the technology, history of drone development, current industry applications, and recent technological advancements. Students should learn a brief history of drone technology, the role of drones today, and its incredible potential for the future. Finally, students will learn about the role drones play in the logistics industry and their need to become well acquainted with this technology to succeed in the 21st century.



COURSE LEARNING OBJECTIVES

1. Understand the basic concepts of drone technology.
2. Understand the potential that drone technology has and the need to become well acquainted with it to succeed in the 21st-century industry of logistics.

MATERIALS NEEDED

- Computer
- Internet Access
- Text Book



DESCRIPTION OF ACTIVITIES

For each module please expect the following activities:

- Read through the lesson/session contents (including articles) and watch videos
- Stimulating Discussion
- Take a short quiz on the material presented
- Complete a written assignment with open-ended responses
- Convince Your CEO to Employ Drones Project
- Group Project Presentation

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FOUR WEEK LESSON OUTLINE

Week 1: Theory & Stimulating Discussion

- 2.1 What is a Drone?
- 2.2 The History of Drones
- 2.3 What are Drones used for?
- 2.4 Further Advancements
- 2.5 UPS Collaborating with Drone-testing Today

Week 2: Case Study Research, Data Mining & Research Essay

- Research and investigate questions 1 & 2
- Write Research essay
- Case Study 1: Researching the History of Drones
- Case Study 2: Ways Businesses or People use Drones

Week 3: Collaborative Project Idea, Creation & Development and Problem Solving

- Project 1: Convince Your CEO to Employ Drones

Week 4: Project Presentations

- Group presentations before classmates