

Engineering 3

Welcome to Engineering 3!! This syllabus outlines the Engineering 3 course for the 2026-2027 school year. Course policies, expectations, and topics will be outlined in this document. I am looking forward to a great year!

Contact Information

Teacher: Albert Kamego
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Conference Time: 6th period 12:35 pm - 1:20 pm

Materials

Spiral Notebook
pen
pencil

Late Work

We will follow Lake Dallas ISD's late work policy.

Grades

Major: 40%
Exams and Projects

Minor: 60%
Assignments, Exit Tickets, Checkpoints,
Other Daily Work

Technology and Electronic Devices

Phones and other electronics should be turned off and kept in their bags. Phones and electronic devices are not allowed to be used in class. Students who do not follow the policy will be subject to disciplinary action as outlined by Lake Dallas ISD.

Course Overview

Unit 1: Engineering Ethics

- **Learning objectives:** Describe Ethics Pertaining to Engineering, Explain How Engineering Ethics as defined by the Texas Board of Professional Engineers and Land Surveyors Apply to Engineering Practice.
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Tickets

Unit 2: Professional Engineers

- **Learning objectives:** Research and Identify Student and Professional Engineering Organizations, Explain an Engineer's Role and How Various Engineering Roles Serve the Organization-Community-Society, Evaluate How the Work of Student or Professional Engineering Organizations Impact the Local or Global Community
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Tickets

Unit 3: Problem Solving

- **Learning objectives:** Conduct Technical Research to Gather Information and Make Decisions, Develop Creative and Innovative Solutions to Problems, Analyze and Compare Alternate Designs, Evaluate and Present Solutions to Problems
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Tickets

Course Overview: Spring Semester

Unit 4: Teamwork and Leadership

- **Learning objectives:** Analyze Leadership Characteristics, Explain and Demonstrate Good Teamwork, Demonstrate Responsibility for Shared and Individual Work, Describe Effective Working Relationships to Accomplish Objectives, Research in Extracurricular Engineering Activities
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Tickets

Unit 5: Communication Skills

- **Learning objectives:** Apply Appropriate Knowledge, Use Professional Communication Skills, Identify and Analyze Information in informational Text, Describe and analyze Verbal and Non-Verbal Cues, Apply Active Listening Skills
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Tickets

Unit 6: Post Secondary Success

- **Learning objectives:** Develop and Maintain a Professional Portfolio
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Tickets

Unit 6: Presentation

- **Learning objectives:** Present a Work and Projects
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Tickets