

Introduction to IED Lesson Plan

COURSE:

Introduction to Engineering Design (Honors)

TEACHER:

Jason D. Redd

DURATION:

7 Days

STANDARDS:

This course connects to standards in the following:

- Common Core State Standards for English Language Arts Anchor Standards
- Common Core State Standards for English Language Arts
- Common Core State Standards for Mathematics
- Next Generation Science Standards
- Standards for Technological and Engineering Literacy

LEARNING OBJECTIVES:

At the conclusion of this lesson, students will be able to:

- Explain the expectations and requirements of the course.
- Describe what the course is about.

ESSENTIAL QUESTIONS:

Students will keep considering:

- What are the course expectations?
- What is the course about and how will it benefit a student who is pursuing an engineering related career?

EQUIPMENT / MATERIALS / RESOURCES:

Students will need or utilize:

- | | |
|--|--|
| ☒ Assignment Handouts / Instructions | ☒ Online Resources |
| ☐ CAD Software | ☐ Other Software |
| ☒ Classroom Materials / Equipment | ☒ Schoology |
| ☒ Computer / Device | ☒ Teacher Handouts |
| ☒ Internet Access | ☐ Other: |
| ☒ Microsoft Office Software | |

AGENDA / ACTIVITIES / INSTRUCTIONAL PROCEDURES:**Teacher Activity (Introduction to New Material)**

The teacher will:

- Lead the students to complete a bell ringer: Ask students to write 3 questions they have about Mr. Redd and 3 questions they have about the course.
- Lead a class discussion via the teacher-led PowerPoint presentation called

Guided Practice

The teacher will:

- Review agenda, learning objectives, and essential questions daily.
- Lead students to recall prior knowledge / experience to make connections to new content.
- Introduce content to be learned.
- Clarify and check for understanding by asking open-ended questions (or by some other type of formative assessment) throughout instruction. Reteach material as needed.
- Pace the classroom instruction to clarify misunderstanding and provide opportunities for student feedback.
- Introduce new content to be learned and how it connects to learning objectives and answers some (or all) of the essential questions.
- Demonstrate skill practices students will gain from this lesson.
- Demonstrate assignment(s) outcome expectations.
- Review resources and equipment needed to problem-solve student assignments.
- Share safety instructions to students. *Saf*

Microsoft Teams, and REMIND accounts.

online via Microsoft Forms after that have

