

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:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Assignment Handouts / Instructions | <input checked="" type="checkbox"/> Online Resources |
| <input type="checkbox"/> CAD Software | <input type="checkbox"/> Other Software |
| <input checked="" type="checkbox"/> Classroom Materials / Equipment | <input checked="" type="checkbox"/> Schoology |
| <input checked="" type="checkbox"/> Computer / Device | <input checked="" type="checkbox"/> Teacher Handouts |
| <input checked="" type="checkbox"/> Internet Access | <input type="checkbox"/> Other: |
| <input checked="" type="checkbox"/> 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

