

## Spring 2022 - STEM 4033 Introduction to STEM Education - T/TH – 4:35 – 5:50 - Tentative Schedule

\*Please keep in mind that this is a tentative schedule. Please check the <http://www.uastem.com> website for updates.

### Week 10

**No classes - Spring Break – March 21-25**

### Week 11

**Tuesday, March 29**

- Technical Procedural Problem-Solving PP
- Challenge (in-class) – Technical Procedural Challenge
- Weekly Reading Assignment – Writing a Technical Procedural STEM Problem

**Thursday, March 31**

- Challenge (in-class) - Teacher Geek
- Weekly Reading Assignment - Chapter 1: [http://www.allaboutcircuits.com/vol\\_1/index.html](http://www.allaboutcircuits.com/vol_1/index.html)

### Week 12

**Tuesday, April 5**

- STEM Night Preparation
- Introduction to Electricity - Building electrical circuits to demonstrate transfer of energy
- Major Assignment - Electricity Curriculum Project

**Thursday, April 7**

- **Center-Gamble Elementary STEM Night - I will arrive at 5:00pm to set up. The event will be from 5:30-7:00pm. Please plan to arrive a few minutes early to get prepared to engage with students and parents. The school address is 1550 Gamble Rd, Centerton, AR 72719.**

### Week 13

**Tuesday, April 12**

- Electricity Curriculum Project Development

**Thursday, April 14**

- Electricity Curriculum Project Development

### Week 14

**Tuesday, April 19**

- Electricity Curriculum Project Presentations
- Cooperative and Collaborative Learning PP
  - 21<sup>st</sup> Century Skills
- Weekly Reading Assignment 10 - Cooperative and Collaborative Learning Readings and Reflection

**Thursday, April 21**

- Cooperative and Collaborative in STEM Education
- Challenge (in-class) – Spy Game
- Challenge (in-class) – Green and White/Gutterball

### Week 15

**Tuesday, April 26**

- Paper Engineering PP
- Challenge (at-home) – Pop-Up Card Quick Challenge

**Thursday, April 28**

- Paper Engineering (cont.)
- Challenge (in-class) - MakeDo

### Week 16

**Tuesday, May 3**

- Automata – Final Project

**Thursday, May 5**

- Automata – Final Project

**Friday, May 6 – Dead Day**

### Final Exam

**Thursday, May 12 – 3:00 – 5:00 – Final Project Due**