

Spring 2021 - STEM 4033 Introduction to STEM Education - T/TH – 12:30-1:45 - Tentative Schedule

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

Week 10

Tuesday, March 16 and Thursday, March 18

- Construction Block Design Brief Presentations
- Technical Procedural Problem-Solving PP
- Major Assignment 5 - Technical Procedural Curriculum
- Challenge 8 (in-class) – Hand Drill
- Challenge 9 (in-class) – Teacher Geek Rubber Band Racer
- Reading – Writing a Technical Procedural STEM Problem

Week 11

Tuesday, March 23

- Technical Procedural Curriculum Development

March 25-26 – No Class – Spring Break

*International Technology and Engineering Educators Conference <https://www.iteea.org/Activities/Conference/ITEEA2021.aspx> - March 22-27, 2021

Week 12

Tuesday, March 30 and Thursday, April 1

- Technical Procedural Projects are Due
- Introduction to Electricity - Building electrical circuits to demonstrate transfer of energy
- Major Assignment 6 - Electricity Curriculum Project
- Weekly Reading Assignment 9 - Chapter 1: http://www.allaboutcircuits.com/vol_1/index.html
- Electricity Curriculum Project Development

April 2 – No Class – Spring Break

Week 13

Tuesday, April 6 and Thursday, April 8

- Electricity Curriculum Project Development
- Cooperative and Collaborative Learning PP
 - 21st Century Skills
- Weekly Reading Assignment 10 - Cooperative and Collaborative Learning

Week 14

Tuesday, April 13 and Thursday, April 15

- Electricity Curriculum Project Presentations
- Cooperative and Collaborative in STEM Education
- Challenge 10 (in-class) – Spy Game
- Challenge 11 (in-class) – Green and White/Gutterball/Crazy Forts

Week 15

Tuesday, April 20 and Thursday, April 22

- Paper Engineering PP
- Challenge 12 (at-home) – Pop-Up Card Quick Challenge
- Challenge 13 (in-class) - MakeDo

Week 16

Tuesday, April 27 and Thursday, April 29

- Paper Engineering – Final Project

April 30 – Dead Day

Final Exam - Tuesday, May 4, 2021 – 12:45 – 2:45