

Spring 2020 – STEM 4033/5033 - Tentative Schedule

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

Week 12

Monday, March 30

- Online Meeting – Going Forward
- Homework: [Scratch](#) Tutorials – Join Scratch. and click on the ‘Create Tab’ then click on the ‘Tutorials Tab’. Select from the tabs ‘Animation’, ‘Art’, ‘Music’, ‘Games’, or ‘Stories’. Complete the series of tutorials from your selected theme. Be ready to demonstrate your work in class on Thursday.
 - Go further – [Create a Pencil Code Account](#) -and download the Pencil Code – [A Programming Primer](#) to learn more and try a few activities using technical-procedural directions.

Wednesday, April 1

- 12:30pm – Online Meeting
- Scratch Demonstrations
- Complete the Scratch Programming Reflection

Week 13

Monday, April 6

- 12:30pm – Online Meeting
- Technical Procedural Problem-Solving
- Assignment - Technical Procedural Project - 100pts.

Wednesday, April 8

- 12:30pm-1:45pm – Optional Online Meeting and Office Hours – Please request another time to meet if needed
- Technical Procedural Problem-Solving Project Development

Week 14

Monday, April 13

- 12:30pm – Online Meeting
 - Technical Procedural Project Due
- Introduction to Electricity - Building electrical circuits to demonstrate transfer of energy
- Electricity Curriculum Project – 150pts.
- Reading: Chapter 1: http://www.allaboutcircuits.com/vol_1/index.html

Wednesday, April 15

- 12:30pm-1:45pm – Optional Online Meeting and Office Hours – Please request another time to meet if needed
- Electricity Curriculum Project Development

Week 15

Monday, April 20

- 12:30pm – Online Meeting
- Electricity Curriculum Project Glows and Grows Presentation
- Electricity Curriculum Project Development

Wednesday, April 22

- 12:30pm-1:45pm – Optional Online Meeting and Office Hours – Please request another time to meet if needed
- Electricity Curriculum Project Development

Week 16

Monday, April 27

- 12:30pm – Online Meeting
- Electricity Curriculum Project Presentations
- Introduction to Paper Engineering
- Final Project - Paper Engineering/Pop-Up – 150pts.

Wednesday, April 29

- 12:30pm-1:45pm – Optional Online Meeting and Office Hours – Please request another time to meet if needed
- Paper Engineering/Pop-Up Project Development
- STEM Resources
- Being a STEM Champion

Final Exams

- **STEM 4033 Final Project Due**
- **Optional Online Meeting**
 - **M/W – 12:30 – 1:45 – Monday, May 4 – 12:45pm – 2:45pm**
 - **M/W – 3:30 – 4:45 – Wednesday, May 6 – 3:00pm – 5:00pm**