

Spring 2026 - Tentative Schedule

STEM 4043/5023 Creativity and Innovation - T/TH – 2:00 – 3:15pm

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

Week 1

Tuesday, January 13 and January 15

Introductions and Syllabus Review

YouTube/Greenscreen Introduction Assignment

Reading: Remaking Literacy - Introduction and Chapter 1 – What the Research Says

Introduction to Tinkering and Take-Apart

Week 2

Tuesday, January 20 and Thursday, January 22

Reading: Remaking Literacy - Chapter 2 – Creative Pathways to Learning

Complete Take-Apart Challenge (Pictures and sorting loose parts)

Fostering Creativity in the Classroom

Paper Creatures

Week 3

Tuesday, January 27

Reading: Remaking Literacy Chapter 3 – Thinking and Designing

Introduction to the CO2 Laser

Thursday, January 30 – Unfieldtrip to the Amazeum – 2:00-4:00pm

Week 4

Tuesday, February 3 and Thursday, February 5

Homework: Not a Box Design Challenge

CO2 Laser -Putting it all together

Introduction to TinkerCAD

STL files, Cura, and 3D printing

Week 5

Tuesday, February 10 and Thursday, February 12

Introduction to TinkerCAD

STL files, Cura, and 3D printing

Reading: Remaking Literacy Chapter 4 – Low Tech Making

Not a Box Design Challenge Presentations

Week 6

Tuesday, February 17 and Thursday, February 19

TinkerCAD – 3D Modeling

Reading: Remaking Literacy Chapter 5 – Remaking with Maker Tech

Week 7

Tuesday, February 24 and Thursday, February 26

TinkerCAD – 3D Modeling

STEM/STEAM Night Preparations

Reading: Remaking Literacy Chapter 6 – Guidance for Implementation

Week 8

Monday, March 2 – Holcomb Elementary School STEM Night – 5:30pm

Tuesday, March 4 and Thursday, March 6

STEAM kits (LittleBits)

ArtBOT/VibroBOT Challenges

Caine's Arcade – Intro to the Frugal Teacher

Week 9

Tuesday, March 10 and Thursday, March 12

Frugal Teacher Assignment Development

***All 3D Printing Projects are due March 17**

Week 10

Tuesday, March 17 and Thursday, March 19

Frugal Teacher Assignment Development

Frugal Teacher Presentations

Week 11 - Spring Break

Week 12

Tuesday, March 30 and Thursday, April 2

Introduction to Makey Makey and [Scratch Programming](#)

MaKey MaKey Design Challenge Project Development

Reading: Remaking Literacy Chapter 6 – Guidance for Implementation

Week 13

Tuesday, April 7 and Thursday, April 9

MaKey MaKey Design Challenge Project Development

April 9 – Vaughn Elementary STEM Night – Bentonville – 5-7pm

Week 14

Tuesday, April 14 and Thursday, April 16

MaKey MaKey Design Challenge Presentations

Introduction to Magnetic Levitation Transportation

MagLev Project Development

Week 15

Tuesday, April 21 and Thursday, April 23

MagLev Project Development

MagLev Race Day

Week 16

Tuesday, April 28 and Thursday, April 30

Engineering a Play/Puppet Pals

Engineering a Play Project and Final (Marionette) Development

May 3 – Reading (Dead) Day

Final Exam Time: Tuesday, May 5 – 12:45-2:45