

Rainstorm 2021

Time: 10:30 - 11:45 AM

Date: Saturday or Sunday (Aug 15/16)

Teachers: Elyse (elysedzc), Ahad (ahadrauf), Brian (brianhdo), Pramod (pramod)

Slides (in progress): <https://tinyurl.com/3aasewhh>

Keywords: Drawing, Design Thinking, Iteration, Sketching, Design Sketching, Storytelling, Communication

Course Title: Stories in 2D: Sketching & Design Thinking

Course Category: Engineering

Course Description: The stories you tell through sketching help convey your ideas to a broader audience. The way you draw out your thoughts can vary dramatically based on your audience. An engineering meeting requires a different form of communication compared to, say, a brainstorm with your family. We cover some basic theory of design thinking and sketching. Then we will guide students through an iterative design process, so students can communicate their ideas confidently to a variety of audiences.

Course Prerequisites: None

Duration of a Class Meeting: 75 minutes

Number of Sections: 1

Minimum Grade Level: 8

Maximum Grade Level: 12

Maximum Number of Students: 25

Difficulty: Should not be too difficult for most students

Room Request: None

Planned Purchases: None

Message for Directors: None

Lesson Plan:

0 - 5 Intro Question + Attendance

5 - 20 Introductory Lecture

Give some background on design sketching and design thinking

Students will receive a prompt & work on their first design iteration

20 - 35 Sketching Breakout (move into breakout rooms during this time)

We will break into two different rooms (2 teachers to 10 students)

Give students 5 minutes to sketch out their designs

35 - 50 Discussion & Storytelling

Again students will be asked to share their work

Each student will be given time to guide us through their design process

50 - 60 Sketching Breakout Round 2 (move into breakout rooms during this time)

We will break into two different rooms (2 teachers to 10 students)

Give students 5 minutes to sketch out their designs

60 - 70 Discussion & Storytelling Round 2

Again students will be asked to share their work

Each student will be given time to guide us through their design process

70 - 75 Exit Survey