MSU x Pathlight Belize Coding Club
Spring 2023

Orientation
11 January 2023

MICHIGAN STATE UNIVERSITY × PATHLIGHT BELIZE

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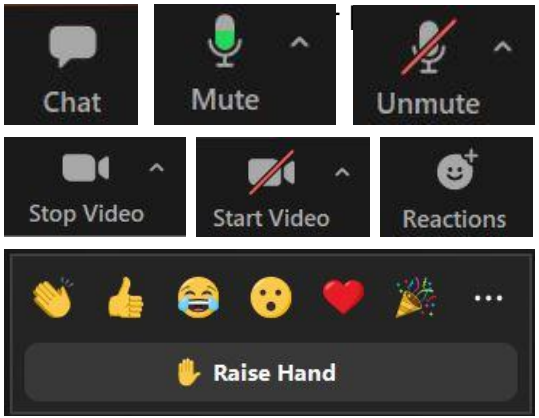
Agenda

7:00-7:05	BZT	Would You Rather / This Or That	Main Room
7:05-7:20	BZT	Zoom Orientation	Breakout
7:20-7:45	BZT	Getting to Know You Icebreaker	Breakout
7:45-8:00	BZT	Spring Overview	Main Room
8:00	BZT	Attendance & Dismissal	

Zoom Orientation

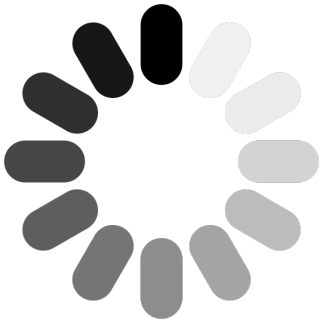
Getting Started with Zoom

- Meeting Actions
  - Chat (Everyone or DM)
  - Mute/unmute
  - Stop/start video
  - Show captions
  - Share your screen
  - Reactions
  - Raise your hand



- Your turn!
  - Send a chat to everyone telling us your favorite fruit
  - Send a DM to me telling me your favorite color
  - Raise your hand if you like:
    - Dogs
    - Cats
    - Reading
    - Swimming
    - Playing soccer (football)
  - React with the “thumbs up” emoji

Technical Difficulties?



- Log in on a laptop or PC rather than a phone
- Use Google Chrome browser and close all the tabs not in use
- Exit other applications open on your computer
- Ask others in your household to avoid data intensive activities (i.e. streaming videos)
- Work close to the router
- Refresh the tab having issues
- Exit and rejoin the Zoom session

Icebreaker

Spring Overview

Saturdays: 10:00 am - 12:00 pm BZE (11 am - 1 pm EST)

- Games and icebreakers
- New lesson
- Explore examples on CodeHS
- Time to work on CodeHS
- Standup

Thursdays: 7:00 - 8:00 pm BZT (8:00-9:00 pm EST) (Bonus hours)

- Bonus Hour: optional time to drop in if you have any questions about the material, need help on assignments, or just want to chat!

Curriculum Overview: HTML and CSS

Do not worry if you have not coded before!
We will start from the very beginning!

- Meeting 2: Intro to HTML
- Meeting 3: Formatting
- Meeting 4: Images
- Meeting 5: Lists and Tables
- Meeting 6: CSS 3.1-3.2
- Meeting 7: CSS 3.2-3.3
- Meeting 8-10: Work on Final Project
- Meeting 11: Present Final Project

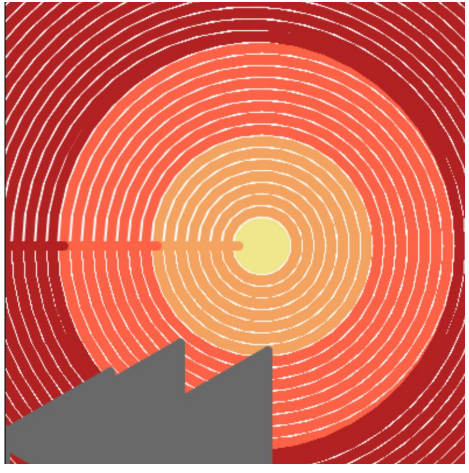
You might not know what these terms mean now, but at the end of the club you will!

Final Project

The last three weeks of the club will be dedicated to working on your final project.

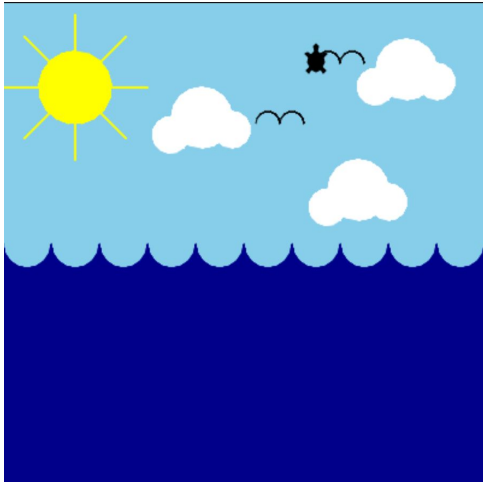
Here are some examples from last year, all made using code!

Harry Potter
By Lilia Hall 2021



Sun with Mountains
By Avani Singh 2021

Beach Scenery
By Jishitha Ratakuntla 2021



Attendance

See you Saturday @ 10a BZT!

MICHIGAN STATE UNIVERSITY × PATHLIGHT BELIZE

Spring Overview

Spring Overview

- 60 students from grades 9-12
- 3 cohorts of 20 students each
- 1 curriculum, 1 platform, 1 schedule, 1 vision
- 14 hour-and-a-half sessions over 7 weeks for 21 contact hours
- 6 hour (paid💸💰!!!) mentorship commitment per week
- Weekly routine
    - Monday: Leadership Meeting @ 5p-6p
    - Tuesday: Review Lesson @ 4:30p-7p
    - Wednesday: All-Hands Mentor Meeting @ 7p-8p
    - Thursday: Bonus Hour @ 7p-8p
    - Saturday: New Lesson @ 10:30a-1p
    - On your own: Work through curriculum on your own

Spring Overview

- Monday: Leadership Meeting @ 5p-6p
  - Quick updates, planning, and administrative items
  - Leads only
- Tuesday: Review Lesson @ 4:30p-7p
- Wednesday: All-Hands Mentor Meeting @ 7p-8p
  - Teambuilding and leadership development with SGWC
  - Lessons learned with SGWC
  - Debrief of previous week
  - Overview of week ahead
  - Role assignment
- Thursday: Bonus Hour @ 7p-8p
  - An opportunity for students to ask questions and learn about life in tech
  - Two mentors each week, rotating
- Saturday: New Lesson @ 10:30a-1p
- On your own: Work through curriculum
  - Get comfortable with content and exercises before each meeting

Spring Overview

- Class Meetings
  - All virtual via Zoom
  - T-30: Login and welcome students
  - T+00: Icebreaker
  - T+10: Spotlight
  - T+20: Lesson/Codealong
  - T+40: Exercises/Challenges
  - T+80: Standup and post-survey
  - T+90: Mentor debrief
  - T+120: Done!
- Tuesdays: Review
- Saturdays: New Content

Spring Overview

- Meeting 1: Orientation and CodeHS Setup
- Meetings 2, 4, 6, 8: New material on Saturday
  - Meeting 2: Intro to Tracy
  - Meeting 4: For Loops
  - Meeting 6: Functions
  - Meeting 8: Variables, Conditionals, and While Loops
- Meetings 3, 5, 7, 9: Review material on Tuesday
- Meeting 10: Final project discussion and brainstorm
- Meetings 11-13: Final project work time
- Meeting 14: Final project show-and-tell + celebration
- Dates: 1/11 through 2/26

Curriculum Overview

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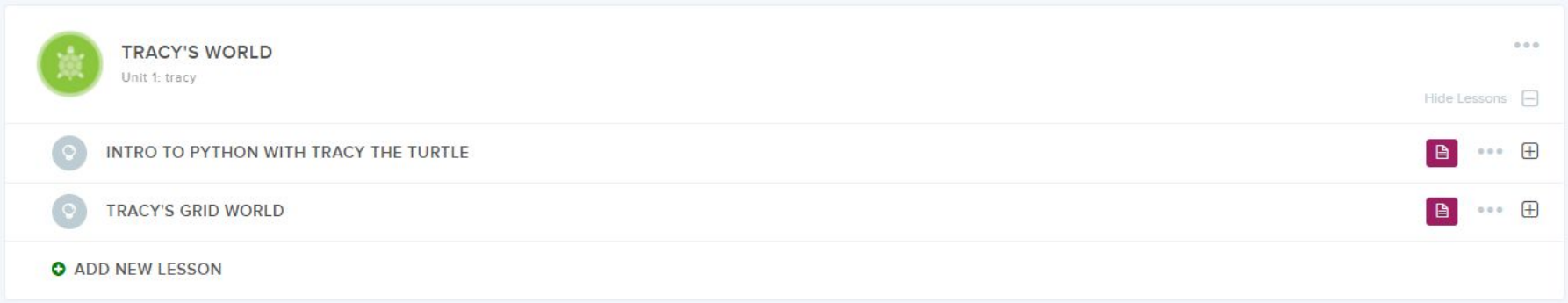
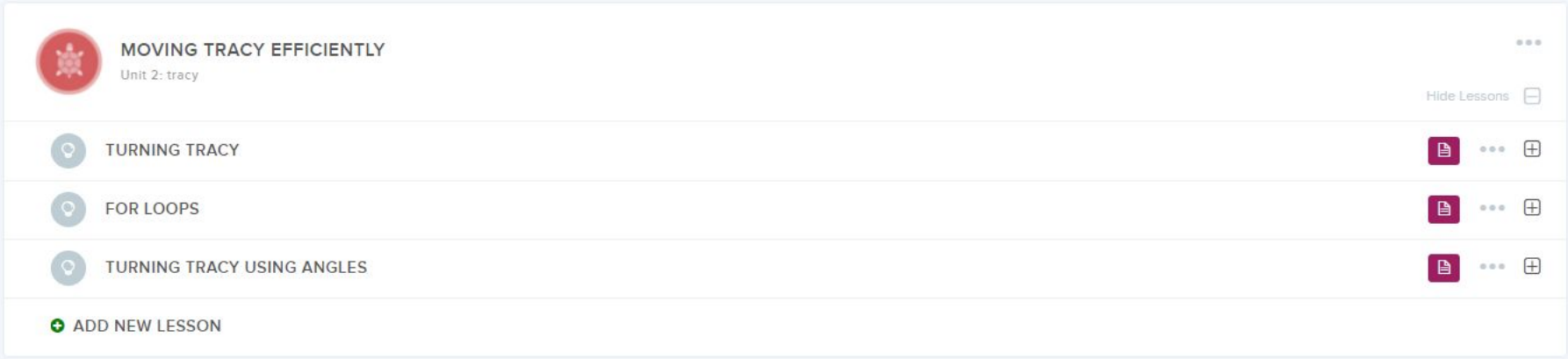
Curriculum Overview

- Meeting 2 (1/15): Intro to Tracy
- Meeting 3 (1/18): Review



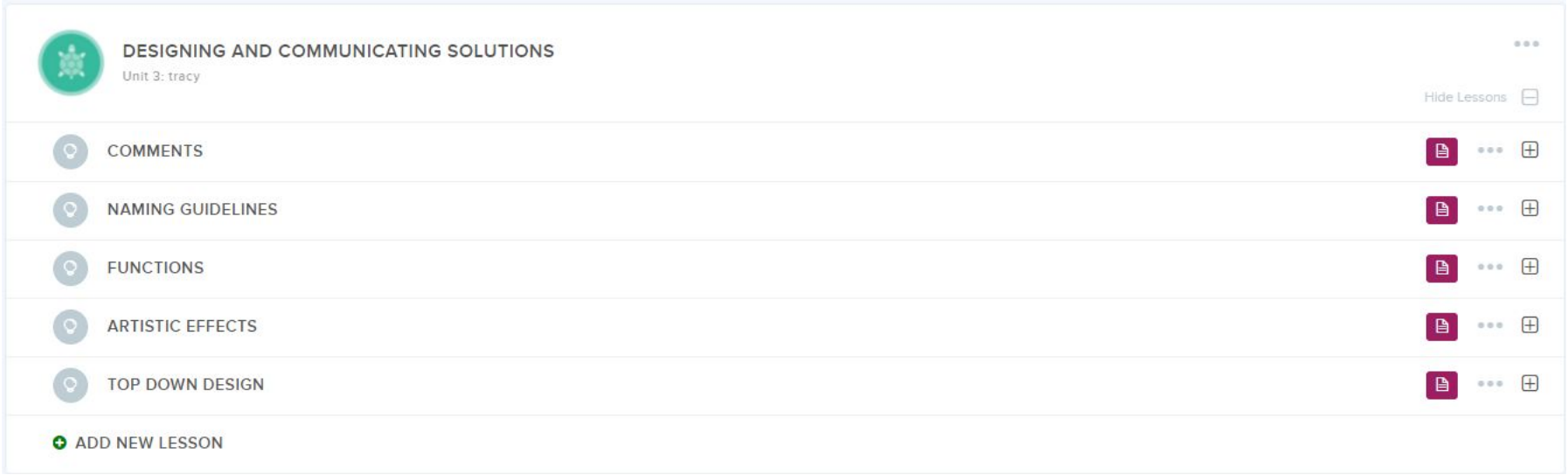
Curriculum Overview

- Meeting 4 (1/22): For Loops
- Meeting 5 (1/25): Review



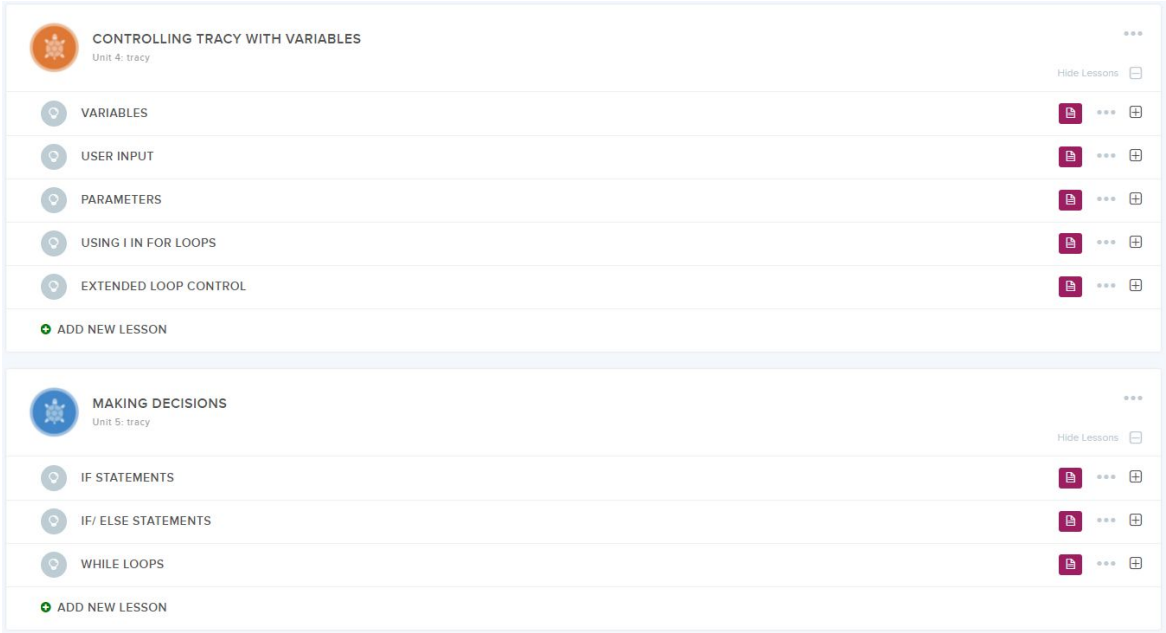
Curriculum Overview

- Meeting 6 (1/29): Functions
- Meeting 7 (2/1): Review



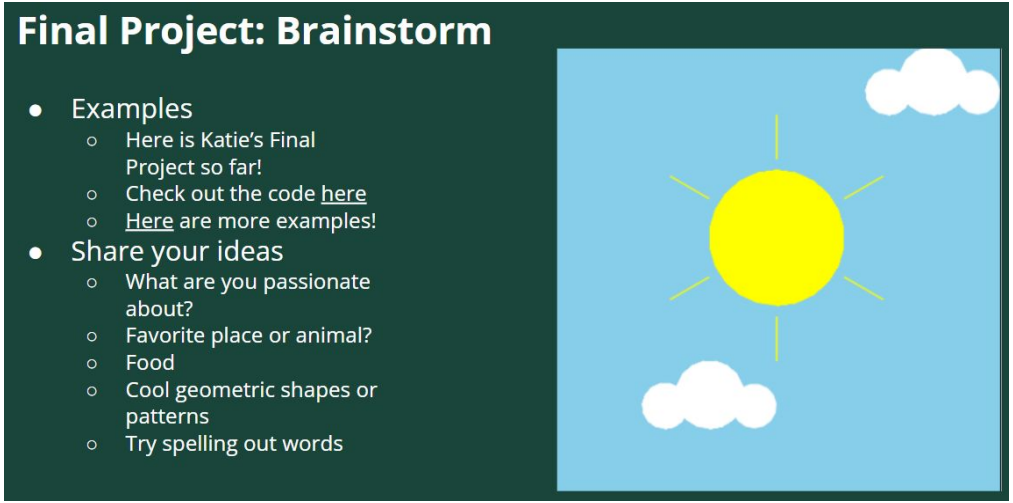
Curriculum Overview

- Meeting 8 (2/5): Variables, Conditionals, and While Loops
- Meeting 9 (2/8): Review



Curriculum Overview

- Meeting 10: Final project discussion and brainstorm
- Meetings 11-13: Final project work time
- Meeting 14: Final project show-and-tell + celebration



Curriculum Overview

- Differences from F21 Technovation
  - No custom exercises: these were somewhat out-of-order and asked too much of our students!
  - No hidden activities: we will tell students which modules we expect them to complete and which are bonus, but we will leave all modules visible for those who wish to go above and beyond
  - Scheduled review time: if we need to carry over parts of a lesson to a second day, we have time
  - Session length: 90 minute instead of 120