

MSU x Pathlight Belize Coding Club Spring 2023

Week 9
1 April 2023



SIGSOFT



MICHIGAN STATE UNIVERSITY



PATHLIGHT BELIZE

Agenda

- 10:00 BZT Welcome + Attendance
- 10:05 BZT Collect all Final Projects
- 10:10 BZT Spotlight
- 10:40 BZT Final Project Showcase
- 11:30 BZT Resources to Continue Coding!
- 11:40 BZT Temperature Check & **Post-survey**
- 12:00 BZT Dismiss students (Mentor Q&A if finished early)

Attendance

- Attendance:
 - <https://forms.gle/NXWVE67PBD1isiLr7>

Final Project - Turn-in!

Add your name to a slide and include the link to your HTML website or Sandbox Project.

Even if your project isn't 100% done, add it anyway – we want to see what you have worked on!

- If you have missed the past few sessions and do not have a final project, you can add a CodeHS assignment you are proud of!

If you are having any trouble let a mentor know.

Final Projects Showcase

During the Showcase, a mentor will share their screen to show off everyone's projects one by one. If you feel comfortable, you can unmute or use chat to present your project.

If you would like, your mentor can show it off for you!

Everyone will be able to leave their compliments on your project on your showcase slide. Feel free to use any fonts/colors for your compliments!

Be careful not to make any edits if you visit someone else's page!

Spotlight

Dr. Lisa Johnson, Dean, Faculty of Health Sciences
at University of Belize



It's Showtime!

Green Slides

Online Resources - These will be emailed :)

Want to continue learning HTML?

- **Codecademy** — Learn to code interactively, for free. Offers lessons in Python, JavaScript, Ruby, HTML/CSS, and more.
- **Code Studio** from **Code.org** — Home to numerous online courses that teach Computer Science fundamentals to all ages.
- **W3Schools** — A fantastic tutorial site for learning HTML, with examples of almost every web technology out there.

Reminder: our CodeHS class will continue to be open for the rest of the year and you can finish or revisit any assignments! There are also other courses and languages you can learn on CodeHS.com for free!

Online Resources - These will be emailed :)

Looking for something cool?

- **Pencil Code** — A collaborative programming site for drawing art, playing music, and creating games. It is also a place to experiment with mathematical functions, geometry, graphing, webpages, simulations, and algorithms. Programs are open for all to see and copy.
- **Coding with Chrome** — A Google project to provide an easy-to-use coding environment within the Chrome browser that even works offline. Currently, users are able to create programs using Blockly, Coffeescript, HTML, Javascript with output to Logo Turtle and/or connected toys such as the Sphero and Lego Mindstorms. Filled with examples and tutorials at several levels.

Want to learn a new language? What about Python?

- **PySchools** — A website designed to help you learn Python programming. The website contains tutorials, practices, and challenge problems. It also has an **online Python editor** with good reference examples.

How to articulate what you have learned

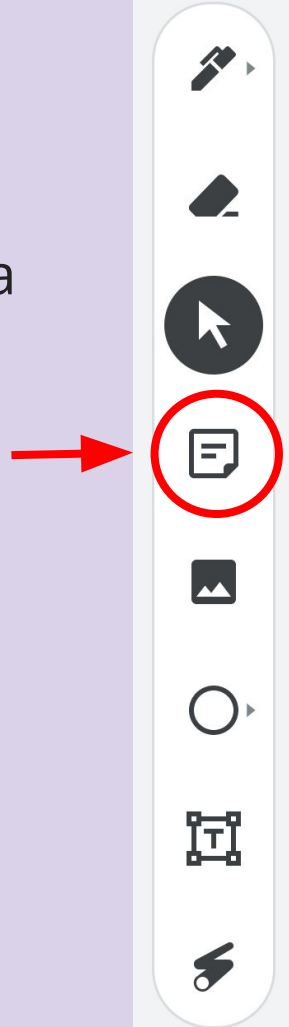
- Given you have attended enough sessions and have enough completed on CodeHS, you will receive a certificate of completion via email!
- “I have learned the fundamental principles of HTML programming”
 - HTML formatting and syntax
 - Web page design
 - Structures like Lists and Tables
 - CSS Styling
- Don't be shy, tell others you know how to code!
 - College essays
 - Job applications
 - Fun facts about yourself

Jamboard - Stand Up

Go to the Jamboard and for each question, answer with a sticky note.

You can change the size and color of the note.

No need to put your name, these can be anonymous.

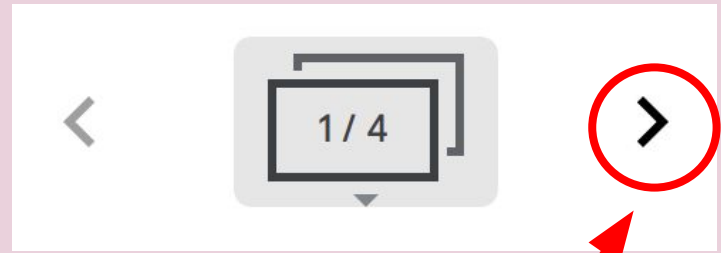


Jamboard - Stand Up

Press the arrows at the top to go through all four questions.

Make sure to put an answer down for at least two!

After a few minutes, we can go through some of the responses. Feel free to elaborate on your answer or respond to someone else's!



Jamboard - Stand Up

1. On a scale of 1 to 10, how are we feeling about today's lesson?
2. What did you enjoy doing today?
3. What was a challenge you faced today?
4. What is something you hope to learn about web development in this course?

Post-Survey

Please fill out this survey to help improve the program!

<https://forms.gle/HoMDNeUE8Hnrydnk8>

Weekly Temperature Check

Please fill out this survey to help us improve for next week!

<https://forms.gle/9SEF9ex5Q9mkVbL27>

Mentor Q&A

Mentor Q&A

What questions do you have for your mentors?

Example topics:

- College life
- Coding experience
- Building confidence in coding skills
- Careers in computer science
- Staying motivated

Thank you all for participating!

Congratulations!



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