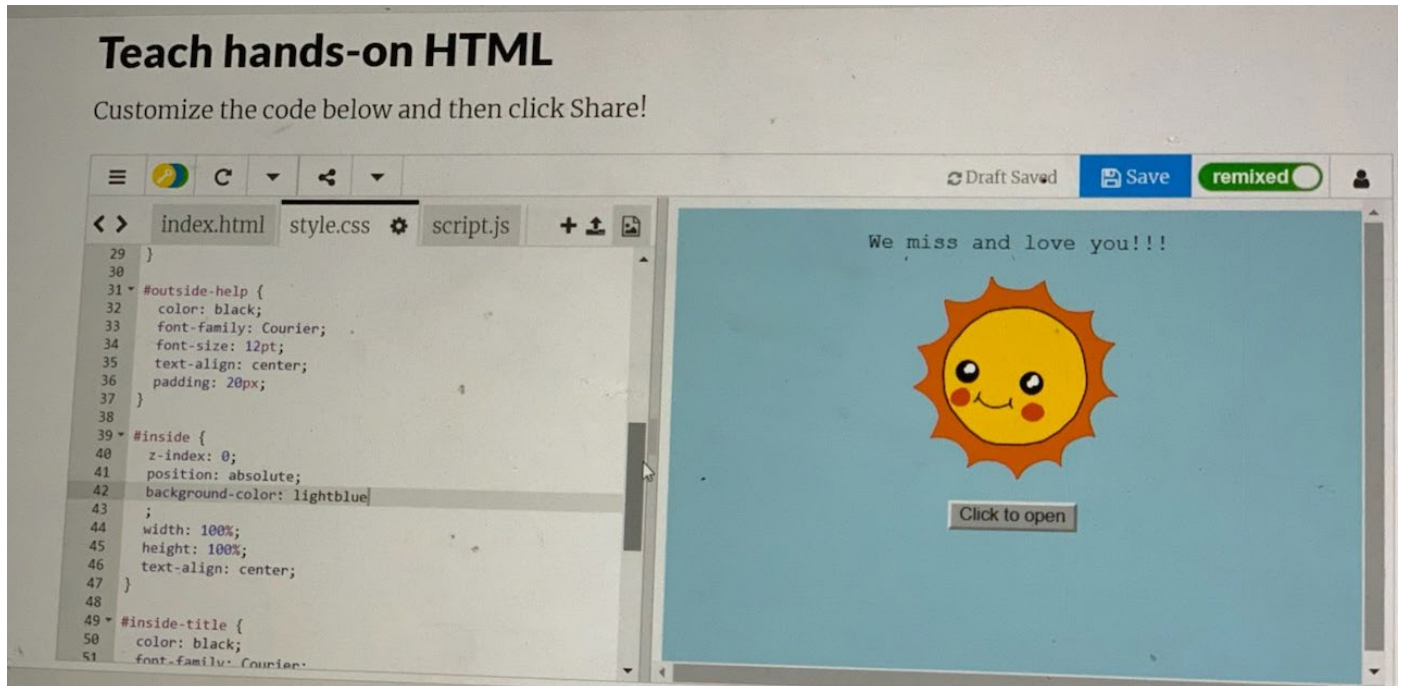




“Coding through Cards” Lesson Plan Overview – for ages 9 to 18



Session 1 - Overview

Student preparation in advance of lesson:

- Have a computer with virtual meeting software and that can run trinket.io
- Students should have the Raspberry Pi [“Happy Birthday”](#) lesson pulled up and follow along

Student learning objectives:

- Learn and use basic concepts of HTML
- Learn and use basic concepts of CSS
- Demonstrate both following instructions and showing creativity through customizing

More Info

Ages: 9 to 18 years old – this is an overview that will require adjusting to the unique needs of your students. You will use the Raspberry Pi [“Happy Birthday”](#) lesson

Coding through Cards		60 minutes
Welcome and introduction		5 min
What is HTML? Include having the students follow the examples		5 min
What is CSS?		5 min
Creating a Happy Birthday card this part of the lesson should be self-guided. The teacher/instructor should be available for questions		10 min
Customize cards this part of the lesson should be self-guided. The teacher/instructor should be available for questions <ul style="list-style-type: none"> ○ Determine who you'd like to send a card to and why ○ Customize the card for them Note: encourage students to make cards for additional people if they end early.		20 min
Students showcase their work		10 min
Q & A		5 min

Supplemental information for this lesson can be found in the [STEM@CGI at Home Activity Pack](#).

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