



Coding: HTML, CSS, JavaScript
Presented by Fair Chance Learning
SummerUp 2022
Course Description

Course Name: *Coding: HTML, CSS, JavaScript*

Who Should Apply: You are a Black youth, Ontario resident, and you will:

- be enrolled in any of Grades 9, 10, 11, or 12 in September 2022, or
- be enrolled in post-secondary studies in September 2022.

As well, you are keen to develop your skills in writing code.

Visit the SummerUp Website: <https://llileaders.com/summerup/>

What

This coding course offers you an immersive 10-session learning experience to build your skills in HTML, CSS, and JavaScript. In this course, you begin by learning the basics of responsive web design and develop all the necessary skills to build interactive web pages. In the second half of the course, we'll add interactivity to the websites and create new ways for visitors to interact with your content. Your instructors will provide industry alignment and will connect students to partners and career pathways related to computer science and coding. This course includes mentoring and regular help-desk office hours to ensure student success, and to identify extension opportunities when relevant. Students will work on a capstone project throughout the course and will demonstrate their work at the end of the 10 sessions.

This coding course is provided to students who are new to coding as well as to those who have a basic grounding in coding and wish to reinforce their knowledge. This course will enable you to enhance your coding skills knowing it will widen your post-secondary options and expand your career opportunities.

Your Pathway to Discovery

Here is a general guide to activity in each of the ten sessions:

Session 1: Introduction to HTML

Use HTML and CSS to make webpages

Session 2: CSS Layout

Style and resize webpages using CSS layout properties

Session 3: Basic HTML & HTML5

Work with a desktop editor and build a cat photo app using common HTML elements

Session 4: Basic CSS (Part One)

Style your cat photo app with CSS

Session 5: Basic CSS (Part Two)

Style your cat photo app with CSS

Session 6: CSS Flexbox

Learn the fundamentals of flexbox and dynamic layouts by building a Twitter card.

Session 7: Introduction to JavaScript – Drawing & Animation (Part One)

Use the JavaScript language and the Processing JS library to create fun drawings and animations.

Session 8: Introduction to JavaScript – Drawing & Animation (Part Two)

Use the JavaScript language and the Processing JS library to create fun drawings and animations.

Session 9: Introduction to JavaScript – Drawing & Animation (Part Three)

Use the JavaScript language and the Processing JS library to create fun drawings and animations

Session 10: Program Recap

Learn about the career pathways in computer science & demo your projects

Why this Matters

SummerUp's *Coding: Introduction to HTML, CSS & JavaScript* course enables Black youth to create and innovate using code. Students will learn how to program, build web pages and develop interactive stories. They will also have a chance to consider the many careers for which coding skills are a necessity, and the value a basic knowledge of coding brings to other career fields.

Upon completing this course, students should be able to:

- Use HTML & CSS to make webpages
- Use responsive web design to build interactive webpages
- Make webpages interactive with JavaScript

Admissions Information

Who: You are a Black youth, Ontario resident, and you will:

- be enrolled in any of Grades 9, 10, 11, or 12 in September 2022, or
- be enrolled in post-secondary studies in September 2022.

As well, you are keen to develop your skills in writing code. In entering this course, you must have a suitable computer and reliable Internet access. A smartphone is not a suitable device for this course. As well, you must commit to attending all scheduled learning sessions (see dates and times below).

Admissions Process: All eligible applicants will be considered for admission. Refer to application deadlines at <https://llileaders.com/summerup/>. Applicants must attend an orientation session.

Start/Stop Dates: *Coding: Introduction to HTML, CSS & JavaScript* will be offered over ten sessions starting Tuesday, July 12 and ending Thursday, August 28, 2022. Each 90-minute session will commence at 2.30 p.m. and end at 4.00 p.m.

Meeting Pattern: Here are the meeting dates for this 10-session coding course:

Week 1: Tuesday, July 12; Wednesday, July 13; Thursday, July 14 (2.30 p.m. to 4.00 p.m.)

Week 2: Tuesday, July 19; Wednesday, July 20; Thursday, July 21 (2.30 p.m. to 4.00 p.m.)

Week 3: Monday, July 25; Tuesday, July 26; Wednesday, July 27; Thursday, July 28 (2.30 p.m. to 4.00 p.m.)

Mode: Virtual

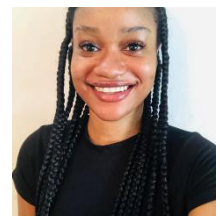
Required Tools

To do well in this coding course, students must have a suitable computer and reliable Internet access. A mobile device is not suitable. Students who do not have the required device should request a loan of this equipment from their high school.

Faculty

Sharon Ikechi

[Sharon Ikechi](#) is a technology leader and her expertise is rooted in two academic credentials and her extensive work history. Her credentials include a BSc degree in Computer Technology and an MSc degree in Computer Science. Originally from Nigeria, Sharon recently relocated to Canada. She has five years' work experience as a curriculum developer and learning program manager in the information technology sector. She has collaborated with teams across the world to develop curricula and learning programs for both the Edtech and Business Sector.



Online Service Provider

Fair Chance Learning: [Fair Chance Learning](#)

Special Note:

SummerUp is a program designed to serve and support the personal and professional aspirations of Ontario's Black youth. The program is developed and presented by the **Lifelong Leadership Institute** (LLI), and it is primarily funded by the Ontario Ministry of Education. The quality of the SummerUp experience is assured by the contributions of a diverse group of individuals, educators, institutions, and corporations – all of which are committed to championing the well-being, development, and advancement of Black youth.

The Lifelong Leadership Institute also offers the **Leadership by Design** program which provides extensive leadership-development opportunities to Black youth.

The **SummerUp** 2022 program is primarily funded by the Ontario Ministry of Education.

