### **HTML - Structuring Websites**

[**2.1** Introduction to HTML](https://codehs.com/course/1939/lesson/2.1)

## **Objective**

Get students excited about learning web development.

Students know the purpose and applications of HTML. Students can create their first simple web page.

## **Enduring Understandings**

This lesson builds toward the following Enduring Understandings (EUs) and Learning Objectives (LOs). Students should understand that…

* EU 1.1 Creative development can be an essential process for creating computational artifacts. (LO 1.1.1)
* EU 1.2 Computing enables people to use creative development processes to create computational artifacts for creative expression or to solve a problem. (LOs 1.2.1, 1.2.3, 1.2.5)
* EU 3.2 Computing facilitates exploration and the discovery of connections in information. (LO 3.2.1)
* EU 5.1 Programs can be developed for creative expression, to satisfy personal curiosity, to create new knowledge, or to solve problems (to help people, organizations, or society). (LOs 5.1.1, 5.1.2)

[**2.2** Structure of an HTML Page](https://codehs.com/course/1939/lesson/2.2)

In this lesson we upgrade from simple tags to full HTML documents. We learn some new tags that let us put information in different places on the web page, and we learn about the nested tree structure of an HTML document.

## **Objective**

Students understand the various parts of an HTML page. Students can create fully formed HTML pages.

[**2.3** Formatting Text](https://codehs.com/course/1939/lesson/2.3)

The web pages we’ve been building have been awesome, but they’d be even better with some ***style***. In this lesson we learn about formatting tags that let us modify the appearance of text and make our web pages look clear and aesthetically pleasing.

## **Objective**

Students will learn how to use formatting tags to modify the appearance of text and make web pages look clear and aesthetically pleasing.

[**2.4** Links](https://codehs.com/course/1939/lesson/2.4)

Have you ever clicked on [text](https://en.wikipedia.org/wiki/Text) on a webpage and it took you to a different web page? This is one of the most important features of web pages, they can be *linked* together! In this lesson we learn how to add hyperlinks to our web pages using the <a> tag.

## **Objective**

Students will be able to add hyperlinks to their webpages.

[**2.5** Images](https://codehs.com/course/1939/lesson/2.5)

Almost all web pages on the Internet have images. In this lesson, we learn how to add images to our own web pages using the <img> tag!

## **Objective**

Students will be able to embed an image in HTML.

[**2.6** Copyright](https://codehs.com/course/1939/lesson/2.6)

In this lesson, students will learn what copyright laws are and how to avoid copyright infringement. They will explore why copyright laws are important and how they protect the creators. They will practice finding and citing online images.

## **Objective**

Students will be able to…

* Explain what copyright laws are and why they are important
* Find images they are legally allowed to use in their projects
* Accurately attribute images they find and want to use

[**2.7** HTML Lists](https://codehs.com/course/1939/lesson/2.7)

We see lists all the time on web pages. They are a fun and easy way to display information to the reader. In this lesson we’ll learn how to add lists to our web pages, and practice making different kinds of lists.

## **Objective**

Students will be able to add different kinds of lists to their web pages.

[**2.8** HTML Tables](https://codehs.com/course/1939/lesson/2.8)

In addition to lists, tables are a very commonly used way to display information on web pages. In this lesson we learn how to make our own tables on our web pages!

## **Objective**

Students will be able to…

* Create tables in their web pages
* Explain the benefits of including tables on web pages
* Compare various ways of displaying information and choose the appropriate format

[**2.9** HTML Styling](https://codehs.com/course/1939/lesson/2.9)

Now that we know how to use HTML, we need to learn how to build expressive web pages. We can use HTML Styling to make our pages visually appealing and unique.

## **Objective**

Students will be able to use HTML styling to make their web pages more visually appealing and unique.

[**2.10** HTML Colors](https://codehs.com/course/1939/lesson/2.10)

In this lesson, students will dissect how colors are represented on a webpage. They will learn about how red, green, and blue are mixed to create colors, and how the levels of red, green, and blue are specified using rgb values and hex values.

## **Objective**

Students will be able to:

* Explain how colors are created on webpages
* Create their own colors by mixing red, green, and blue
* Make use of the color wheel to choose coordinating colors for their webpages

[**2.11** End of Unit Test](https://codehs.com/course/1939/lesson/2.11)