# Days 3-4: Basic HTML

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| Overview *Students create a storyboard.**Students are introduced to how HTML, CSS, and JS are used to make webpages and the role browsers play in displaying the pages.**Students create a website folder and notepad document for their home page* *Students use basic html to create a homepage.*Lesson Summary*Overview of the various parts of the lesson:** *Example of webpage and storyboard.*
* *Students create a storyboard.*
* Introduction to the role of *servers, clients, browsers, webpages, html, css, and java script*
* *Students create a website folder and home page using notepad and basic html.*

*Lesson sequence:* *Note: Prior to this lesson students were assigned to pick a topic for their website. (Topics include, but are not limited to, a business, hobby, project for another class, or senior project.)*1. *Example (two examples if time permits) of a simple webpage – As a class discuss the elements that make a webpage and draw an example storyboard of the webpage during the discussion.*
2. *Students create a storyboard for their homepage*
3. *Khan Academy: Video: Welcome to the web! – Servers, clients, browsers, webpages, html, css, and java script.*
	* <https://www.khanacademy.org/computing/computer-programming/html-css/intro-to-html/v/making-webpages-intro>
4. *Create website folder, name, and save.*
5. *Create a homepage.*
	* *Open notepad and save a blank notepad document in the website folder – Save as: index.html*
6. *Khan Academy: Video: HTML Basics – First 2 minutes, 20 seconds.*

[*https://www.khanacademy.org/computing/computer-programming/html-css/intro-to-html/p/html-basics*](https://www.khanacademy.org/computing/computer-programming/html-css/intro-to-html/p/html-basics)1. *Open index.html in browser and in notepad.*
	* *Resize browser window and notepad document so each uses approximately half the computer screen area.*
	* *The browser window and notepad document can be placed on the computer screen side by side or top to bottom.*
2. *On notepad document (homepage) declare the doctype and enter html, head, meta charset, title, and body tags.*
	* *Save changes.*
	* *Refresh webpage in browser and notice the title that appears on the tab.*
3. *Complete Khan Academy: Video: HTML Basics.*
	* *Review html tags - Khan Academy: Quick tip: HTML tags.*

[*https://www.khanacademy.org/computing/computer-programming/html-css/intro-to-html/a/quick-tip-html-tags*](https://www.khanacademy.org/computing/computer-programming/html-css/intro-to-html/a/quick-tip-html-tags)1. *Practice - Khan Academy: Challenge: Write a poem*

[*https://www.khanacademy.org/computing/computer-programming/html-css/intro-to-html/p/challenge-write-a-poem*](https://www.khanacademy.org/computing/computer-programming/html-css/intro-to-html/p/challenge-write-a-poem)1. *Apply – Students begin their homepage by using heading, paragraph, and line break tags to introduce their website and add other text they want on their homepage.*
	* *Save changes frequently and refresh browser each time something is saved to make sure your page displays the changes correctly.*
2. *Class Discussion: Discuss problems encountered and how mistakes in the code affected the webpage. (Students can purposely enter mistakes into their code to see what happens.)*

CS Content * *Storyboard*
* *Role of servers, clients, browsers, webpages, html, css, and java script*
* *Basic HTML*
 |  |  | Objectives**Students will be able to:*** Make a storyboard
* Create an html page with a title and body using notepad as the html editor
* Add and arrange text on webpage using heading, paragraph, and line break tags
* Confirm webpage displays properly each time code is added and saved

Materials and Prep* Computers
* Internet connection
* Notepad

Resources**Student Documents*** [*https://www.khanacademy.org/computing/computer-programming/html-css/intro-to-html/p/html-basics*](https://www.khanacademy.org/computing/computer-programming/html-css/intro-to-html/p/html-basics)

**Code Studio****Video*** <https://www.khanacademy.org/computing/computer-programming/html-css/intro-to-html/v/making-webpages-intro>

**Assessments*** Create website folder and homepage.
* Use heading, paragraph, and line break tags to add and arrange text on homepage

Notes

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