# 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  |  | | --- | |  | |  | |  | |