| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY | SUNDAY |
|---|---|---|---|---|---|---|
| | | | | 19 SEPTEMBER<br>BASIC HTML | 20<br>BASIC CSS.<br>LEARN HOW TO STYLE ELEMENTS AND CSS CLASSES. | 21<br>BASIC CSS.<br>LEARN HOW TO STYLE ELEMENTS AND CSS CLASSES. |
| 22<br>Build a tiny, static webage. Maybe a page about your favourite hobby. Don't aim for perfection, aim for understanding. | 23<br>Build a tiny, static webage. Maybe a page about your favourite hobby. Don't aim for perfection, aim for understanding. | 24<br>Learn CSS Flexbox. Follow a tutorial and practice arranging boxes on a page in different ways. FreeCodeCamp has a section on this. | 25<br>Learn CSS Flexbox. Follow a tutorial and practice arranging boxes on a page in different ways. FreeCodeCamp has a section on this. | 26<br>Learn CSS Flexbox. Follow a tutorial and practice arranging boxes on a page in different ways. FreeCodeCamp has a section on this. | 27<br>Start FreeCodecamp's "JavaScript Algorithms and Data Strcutures" certification. Focus on the first 30% of it. | 28<br>Basic JavaScript concepts: variables(let, cont), data types(strings, numbers, arrays, objects), console.log. |
| 29<br>Functions, if statements and loops. | 30<br>Functions, if statements and loops. | 01 OCTOBER<br>CRTICAL-DAY<br>Learn about JSON. This is how the web-features data is structured. Then learn about fetch() or importing a local JSON file. This is how you will get data into your app. | 02<br>Learn how to use JavaScript to manipulate the DOM. This means using JS to create HTML element and add them to your page. | 03<br>SET UP AND DATA INTEGRATION | 04<br>SET UP AND DATA INTEGRATION<br>-DISPLAYING THE DATA | 05<br>DISPLAYING THE DATA |
| 06<br>POLISH, VIDEO AND SUBMIT | 07<br>POLISH, VIDEO AND SUBMIT<br>2AM DEADLINE. | | | | | |

**Phase 2: Project Build (Fri, Oct 3 - Tue, Oct 7 | 3 Days)**

**Goal:** Integrate everything you've learned to build your Baseline Explorer.

**Day 17 (Oct 3-4): Setup and Data Integration**

1. **Create a new folder** for your project.
2. Initialize it: Run npm init -y in your terminal in that folder (this creates a package.json file).
3. **Install the data:** Run npm install web-features. This will download the data into a node_modules folder.
4. **Find the data:** Navigate to node_modules/web-features/data/features. You will see many .json files. Each one is a web feature!
5. **Create your main files:** index.html, style.css, script.js.
6. **Link them:** In your index.html, link your CSS and JS files.
7. **The Big Task:** Write code in script.js to **load one of the JSON files** (e.g., css-color.json) and console.log its data. If you can see the data in your browser's developer console (F12), you have succeeded!

**Day 18 (Oct 4-5): Displaying the Data**

1. **Plan your UI:** Sketch a simple layout on paper.
    - A header title.
    - A main area with a grid of "cards".
    - Each card will show a feature's name, status (Baseline/...), and a short description.
2. **Write the code:**
    - In your script.js, write a function that loops through the array of features you loaded.
    - For each feature, use document.createElement() to create a  (a card).
    - Use the data from the JSON to fill the card's content (e.g., feature.name, feature.status).
    - Use appendChild() to add each card to the main area of your page.
3. **Style it:** Use CSS to make the grid and the cards look decent. Use Flexbox to arrange the cards. Color the cards based on the status (e.g., green for "baseline").

**Day 19 (Oct 6-7): Polish, Video, and Submit**

1. **Add a filter (If you have time):** Add a simple <button> for "Show only Baseline features." When clicked, your JavaScript should hide any card that doesn't have the Baseline status.
2. **Host it for free:**
    - Create a GitHub repository and upload your code.
    - Create an account on **Netlify**.
    - Connect your GitHub repo to Netlify. It will deploy your site instantly with a public URL.
3. **Record your demo video (3+ minutes):**
    - **Intro (30 sec):** "Hi, I'm [Name], and this is my Baseline Explorer project for the hackathon."
    - **The Problem (30 sec):** "It's hard to know what web features are safe to use. I built this tool to solve that."
    - **The Tour (2 min):** Show your hosted website. Point to the data. Click your filter button. Explain what the colors mean. "As you can see, here's the data from the web-features npm package, showing which features are baseline..."
    - **The Code (30 sec):** Show your code in VS Code. Briefly point out the key parts: where you load the JSON data and where you create the HTML cards. "This part here fetches the data, and this loop here creates the cards you see on the screen."
    - **Outro (30 sec):** "Thank you for watching!"
4. **Submit on Devpost!** Fill out the description, add the GitHub repo link, the Netlify live link, and your video.

---

**Crucial Advice for a Beginner**

- **Embrace the Struggle:** You will get stuck. Error messages are your friends—they tell you what's wrong. Google the error message verbatim.
- **The 20-Minute Rule:** If you're stuck on a problem for 20 minutes, stop. Ask for help on forums like **Stack Overflow** or **Reddit (r/learnprogramming)**. Explain your goal, what you've tried, and the error you're getting.
- **Quality over Quantity:** A simple, working, and *finished* project is infinitely better than a complex, broken, and incomplete one. **Your goal is to cross the finish line.**
- **Cheat (Smartly):** Use AI tools like ChatGPT or Claude. You can ask: *"How do I use the* fetch() *API to load a local JSON file in JavaScript?"* or *"How do I create a grid layout with CSS?"* Use them to explain concepts, not to write all your code for you.

This plan is intense but structured. Good luck! You are learning a valuable skill *and* competing in a hackathon at the same time. That's incredibly impressive.