**Class Plan – JS Conditionals (if, else if, else, switch)**

**Digital Excellence Program – Sample Class Plan**

**Topic: JavaScript – Conditional Statements**

| **Time Slot** | **Activity** | **Description** |
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| **First 5 minutes** | Warm-up & Reflection | - Quick recap: What happens when we run a line like `console.log(3 > 2)`?  - Ask: When might we need a program to make decisions?  - Examples from life: checking age to vote, comparing numbers, deciding what to wear |
| **30 minutes** | Core Concept Explanation – if, else if, else | - Syntax of `if`, `else if`, `else`  - Flow of control and indentation  - Comparison operators recap: `===`, `>`, `<`, `!==`, etc.  - Examples:  • Check if number is positive, negative, or zero  • Check if a number is divisible by both 5 and 11  • Check whether a character is alphabet or not. |
| **10 minutes** | Activity – Trace the Output | - Show 2–3 small `if-else` code snippets  - Ask: “What will this print?”  - Include tricky conditions like assignment vs equality |
| **25 minutes** | Core Concept Explanation – switch Statement | - Syntax and purpose of `switch`  - When to use `switch` vs `if-else`  - Fall-through behavior and use of `break`  - Example: Print weekday based on number (1 to 7)  - Example: Basic calculator using `switch` |
| **15 minutes** | Hands-On Coding Activity | - Students try writing:  1. A program to check if a year is a leap year  2. A program to input an alphabet and check if it's a vowel or consonant  3. Bonus: Use `switch` to map month number to number of days |
| **5 minutes** | Class Wrap-up | - Quick oral quiz:  • What’s the difference between `==` and `===`?  • When do we use `switch`?  • What happens if we forget `break` in a switch?  - Ask: One concept you're confident about, and one you're unsure of. |

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## **References for Class:**

* [If else](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/if...else)
* [Switch](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/switch)
* [Comparison operators](https://www.w3schools.com/js/js_comparisons.asp)