INTRO TO PROGRAMMING

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REVIEW

‣ Incorporate a css reset into projects to normalize browser variations

‣ Experiment with special targeting using pseudo-classes and pseudo-elements

‣ Understand the purpose of responsive design and understand how to apply media queries and percentage widths

‣ Understand the purpose of icon fonts and image sprites, and how to use them

LEARNING OBJECTIVES

‣ Practice programmatic thinking by writing pseudo code to solve problems

‣ Define website behavior and practical uses of JavaScript

‣ Predict DOM output / changes by reading JS code

WHAT IS PROGRAMMING?

A SET OF INSTRUCTIONS.
A RECIPE.
A STEP BY STEP PROCESS.

EXERCISE:
LET'S MAKE A CAKE!

COMPUTERS ARE DUMB

PSEUDO CODE

Pseudocode is the process of writing a program without using the syntax of a programming language.

"If the door is closed and I want to exit the room, then open the door"

DISCUSSION
THERMOSTAT

```
get target_temperature

target_temperature = 72

repeat forever,

    current_temperature = get_sensor_reading

    if target_temperature > (current_temperature+5),

        turn_on_heater

    if target_temperature <= current_temperature,

        turn_off_heater
```

LAB
ROCK PAPER SCISSORS

WHAT CAN JAVASCRIPT DO?

Games
Charts
Visualizations
SVG Animations
General Web Dev Stuff

BREAKDOWN!
COLOR SCHEME SWITCHER

LAB
TRAFFIC LIGHTS

Traffic Lights

WRAP UP

‣ Practice programmatic thinking by writing pseudo code to solve problems

‣ Define website behavior and practical uses of JavaScript

‣ Predict DOM output / changes by reading JS code