

FEWD - INTRO PROGRAMMING

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AGENDA

- Introduction To Programming
- What JS Can Do
- Reading JS
- Lab

INTRODUCTION TO PROGRAMMING

The computer will do what you tell it to do.

WHAT IS A PROGRAM

A **program** is a set of instructions that you write to tell a computer what to do

WHAT IS PROGRAMMING

Programming is the task of writing those instructions in a language that the computer can understand.

BECOMING A PROGRAMMER

It isn't about the programming language. It is about changing how you think.

We have to know how the computer thinks to change how we think.

HOW COMPUTERS "THINK"

The short answer is that they don't think.

The slightly longer answer is that while computers don't think, they act as if they do, by sequentially executing simple instructions.

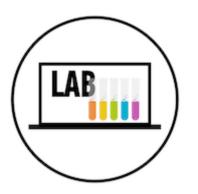
The only things a computer knows are the things we tell it.

PSEUDO CODE

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



THERMOSTAT

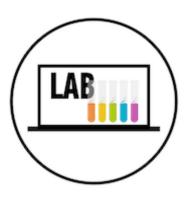


ROCK PAPER SCISSORS

WHAT IS JAVASCRIPT



COLOR SWITCHER



TRAFFIC LIGHT

HOMEWORK

Nothing you need to turn in, but for a nice mid-week challenge try to write the pseudocode for:

ROCK, PAPER, SCISSORS, LIZARD, SPOCK

https://www.youtube.com/watch?v=x5Q6-wMx-K8