End Goal: Tic-Tac-Toe

- [90 min] Week 1
 - o [0.00000...001 min] Introduce ourselves
 - o [5 min] Basics
 - Ask around to see if anyone knows any programming languages (e.g. Java)
 - Compare Java with the languages mentioned
 - Java is a programming language and computing platform used to create
 Web applications and platforms (What Java is)
 - o [20 min] How to start coding
 - [10 min] Open up the git-bash and explain the terminal
 - Show cd and cd .. commands
 - Show mkdir
 - Open up atom
 - Create shell commands
 - Atom
 - [10 min] Setting up the file
 - Do the public class etc.
 - Main function and how to print
 - o [45 min] Structure
 - [10 min] Types of variables (e.g. int, double, boolean, char, String)
 - [5 min] How to set up variables (must use semicolons)
 - Making variables (e.g. Variable names, replacing values, declaring type)
 - Type name = thing;
 - Type name; name = thing;
 - [5 min] Importance of tabbing correctly
 - [5 min] Importance of commenting
 - [5 min] Changing variables
 - [15 min] Strings
 - Indexing
 - Creating Strings
 - Concatenating Strings
 - Manipulating strings (e.g. length, substring, specific letter)
 - Newline
 - [10 min] Concatenating two different types
 - Adding float/int with string
 - Adding char with int

- [90 min] Week 2
 - o [50 min] Primitives
 - [10 min] Logic Operators
 - [10 min] If, else if, else
 - [15 min] While, for
 - [15 min] Arrays
 - Indexing
 - Making array
 - Adding, removing
 - Accessing
 - Finding
 - o [20 min] Functions
 - Header
 - Parameters
 - Return/call other functions
 - o [20 min] Practice
- [90 min] Week 3
 - o [20 min] 2D Array
 - Access (e.g. row, col, element)
 - Making 2D arrays
 - Structure
 - o [30 min] User input in java
 - https://www.w3schools.com/java/java_user_input.asp
 - [40 min] Explain Tic Tac Toe Game (Alternating teaching and coding)
- [90 min] Week 4
 - o [90 min] Help kids to finish game