

## Schedule

### Week 1

Topics	Programs
Intro	Hello World
Variables and Basic Scope	Variable Swap
Sequential Code	Logo Shapes
Branching Code	Maths Quiz
Loops	Repeated Addition
User Input	Temperature Converter
Tea Machine	

### Week 2

Topics	Programs
Variable Types	Global Variable Swap
More Loops	Random Number Guessing Game
Functions	Day of the Week Validator
Lists	Caesar Cipher

### Week 3

Topics	Programs
Lists	Mine Detector
Tuples	Letter Count
Strings	Morse Code
Dictionaries	Plus file handling
Exceptions	
Files and JSON	

### Week 4

Topics	Programs
Graphs	Graph Handling
Depth-First Search	Depth-First Search
Stacks	Stacks
Breadth-First Search	Breadth-First Search
Queues	Queues
Path Tracking	

**Week 5 and 6**

Topics	Programs
Persistence using Files	Cafe Project
Introduce the Cafe Project	<i>Challenges:</i>
Design Activity:	Persistence with Files
Data Types	10% Off
Flow Chart	2-for-1 on Cake!
Menu Options	
Functions	