Intro to Coding - Resources

History

How Algorithms Shape our World
https://www.ted.com/talks/kevin_slavin_how_algorithms_shape_our_world

Jean Bartik and the ENIAC women   https://www.youtube.com/watch?v=aPweFhhXFvY
Longer interview   https://www.youtube.com/watch?v=buAYHonF968

A Communication Primer, Ray and Charles Eames
https://archive.org/details.php?identifier=communications_primer

Unplugged

How to Train your Robot   http://drtechniko.com/2012/04/09/how-to-train-your-robot/

Scratch

Download   http://scratch.mit.edu

Sonic Pi

Download   http://sonic-pi.net/

Micro:bit

Download   http://codewith.mu/
MicroPython Help   http://microbit-micropython.readthedocs.io/en/latest/
Microbit for Primary Schools   http://mb4ps.co.uk/
Microbit examples, games   http://www.multiwingspan.co.uk/micro.php

Lesson Plans and Resources

Hour of Code
Lesson plans, advice and help on organising events

Link   https://code.org/

Code Club
Lesson plans and tutorials on Python, Scratch, HTML

Link   https://www.codeclub.org.uk/

Alternative Languages and Environments

Processing

Processing is a flexible software sketchbook and a language for learning how to code within the context of the visual arts

Download   https://processing.org
Bird flocking demo   https://processing.org/examples/flocking.html

Twinery

Create interactive games or short stories using javascript and html.

Download   https://twinery.org/

Inklewriter

Write interactive stories, text adventures as text

Download   http://www.inklestudios.com/inklewriter/

HTML

Sarah Frisk's comic about coding webpages in html

Link   http://monstermarkupmanual.com/