Kit List

Monday 11th March

Security: Social Engineering

Activity 1

- Computer with internet connection
- Paper
- Pens or Pencils

Activity 2

- Print out Templates on Pages 8-13
- Scissors

Activity 3

- Print out Template on Page 14
- Pens or Pencils

Activity 4

- Computer with internet connection

Activity 5

- Print out Template on Page 15
- Pens or Pencils

Tuesday 12th March

Networks: 5G

Activity 1

- Scissors
- String (Cut roughly into 1.5m lengths)
- Paper
- Pens or Pencils

Activity 2

- Classroom with tables and chairs
- Pens or Pencils
- Print out templates on Pages 9 -12
  - ↘ Router Card (1 per classroom)
  - ↘ Switch Cards (based on a bank of tables that seats 4 students: give this to 1 of every 4 students)
  - ↘ Computer Cards (based on a bank of tables that seats 4 students: give this to every 3 out of 4 students)
  - ↘ Message Cards (3 per student)

Activity 3

- Stopwatch or timer
- Cones or markers to create a path
- Tape or marker to make a start and finish line as well as a middle marker
- Something to use as a blindfold
- Any object to act as the data being sent
- Pens or Pencils
- Paper

Wednesday 13th March

People: Diversity and Inclusion

Activity 1

- Paper
- Pens or Pencils

Activity 2

- Paper or a Computer
- Coloured Pens or Pencils (if using paper)

Thursday 14th March

Connected Devices: Internet of Things (IoT)

Activity 1

- Computer with internet connectivity
- BBC micro:bit v2*
- USB to micro USB cable

Activity 2

- Computer with internet connectivity
- BBC micro:bit v2*
- USB to micro USB cable

Activity 3

- Computer with internet connectivity
- BBC micro:bit v2*
- USB to micro USB cable
- BBC micro:bit battery pack

Activity 4

- Print out Template on Page 7
- Pens or Pencils
- Colouring Pens or Pencils
- Materials that can be used to make a physical model of the IoT device e.g.
  - ↘ Scissors
  - ↘ Glue
  - ↘ Sellotape
  - ↘ Cardboard
  - ↘ String
  - Straws

Friday 15th March

Artificial Intelligence (AI): ChatBSW

Activity 1

- Whiteboard (or any large surface to draw a 3x3 grid on)
- Whiteboard Pen (or anything to write with on chosen surface)
- Print out the Intelligent Piece of Paper on Page 4

**If you don't have a physical micro:bit, then don't worry, you can still complete these activities using the simulator on the free website https://makecode.microbit.org. It won't give you the full, real-life experience, but you can still code it and test your program!*