1. Course 1 - Microbit Beginner lessons
   1. Beautiful image - <https://www.microbit.co.uk/blocks/lessons/beautiful-image>
   2. Lucky7 - <https://www.microbit.co.uk/blocks/lessons/lucky-7>
   3. Answering machine - <https://www.microbit.co.uk/blocks/lessons/answering-machine>
   4. Game of chance - <https://www.microbit.co.uk/blocks/lessons/game-of-chance>
   5. Smiley - <https://www.microbit.co.uk/blocks/lessons/smiley>
   6. Magic logo - <https://www.microbit.co.uk/blocks/lessons/magic-logo>
   7. Snowflake fall - <https://www.microbit.co.uk/blocks/lessons/snowflake-fall>
   8. Screen Wipe - <https://www.microbit.co.uk/blocks/lessons/screen-wipe>
   9. Flashing Heart - <https://www.microbit.co.uk/blocks/lessons/flashing-heart>
   10. Blink - <https://www.microbit.co.uk/blocks/lessons/blink>
   11. Night Light - <https://www.microbit.co.uk/blocks/lessons/night-light>
   12. Game Counter - <https://www.microbit.co.uk/blocks/lessons/game-counter>
   13. Happy Birthday - <https://www.microbit.co.uk/blocks/lessons/happy-birthday>
2. Course 2 - Microbit Advanced lessons
   1. Magic8 - <https://www.microbit.co.uk/blocks/lessons/magic-8>
   2. Guess the number - <https://www.microbit.co.uk/blocks/lessons/guess-the-number>
   3. Counter - <https://www.microbit.co.uk/blocks/lessons/counter>
   4. Love Meter - <https://www.microbit.co.uk/blocks/lessons/love-meter>
   5. Rock Paper Scissors - <https://www.microbit.co.uk/blocks/lessons/rock-paper-scissors>
   6. Truth or Dare - <https://www.microbit.co.uk/blocks/lessons/truth-or-dare>
   7. Spinner - <https://www.microbit.co.uk/blocks/lessons/spinner>
   8. Die Roll - <https://www.microbit.co.uk/blocks/lessons/die-roll>
   9. Looper - <https://www.microbit.co.uk/blocks/lessons/looper>
   10. Strobe Light - <https://www.microbit.co.uk/blocks/lessons/strobe-light>
   11. Temperature - <https://www.microbit.co.uk/blocks/lessons/temperature>
   12. Digi Yoyo - <https://www.microbit.co.uk/blocks/lessons/digi-yoyo>
   13. Rotation Animation - <https://www.microbit.co.uk/blocks/lessons/rotation-animation>
   14. Compass - <https://www.microbit.co.uk/blocks/lessons/compass>
   15. Zoomer - <https://www.microbit.co.uk/blocks/lessons/zoomer>
   16. Glowing Pendulum - <https://www.microbit.co.uk/blocks/lessons/glowing-pendulum>
   17. Classic Beatbox - <https://www.microbit.co.uk/blocks/lessons/classic-beatbox>
   18. Light Beatbox - <https://www.microbit.co.uk/blocks/lessons/light-beatbox>
3. Course 3 - Making with the Microbit - Advanced lessons
   1. The Watch (Maker) - <https://www.microbit.co.uk/blocks/lessons/the-watch>
   2. Hack Your Headphones (Maker) - <https://www.microbit.co.uk/blocks/lessons/hack-your-headphones>
   3. Banana Keyboard (Maker) - <https://www.microbit.co.uk/blocks/lessons/banana-keyboard>
   4. Telegraph (Maker) - <https://www.microbit.co.uk/blocks/lessons/telegraph>
   5. Ornament Chain (Maker) - <https://www.microbit.co.uk/td/lessons/ornament-chain>
   6. Hero - <https://www.microbit.co.uk/blocks/lessons/hero>
4. Course 4 - Basics of Electronics
   1. Series circuit
      1. LED, Resistor
      2. LED, Resistor + Resistor (Series)
   2. Parallel circuit
      1. LED, Resistor
      2. LED, Resistor + Resistor (Parallel)
   3. Transistors – NPN (& PNP)
      1. Simple NPN circuit – Turn LED on/off
   4. Blinking an LED
      1. Single LED
      2. Multiple LED’s
      3. Increasing value of resistors
      4. Introduce a transistor
   5. Color control with a Tricolor (RGB) LED
      1. Single RGB LED
      2. RGB LED, Potentiometer
      3. RGB LED, Potentiometer, Switch
   6. Using an LDR and measuring analog inputs
      1. LDR, Potentiometer
   7. Breadboard switches in parallel with the main switches
      1. Switch 1, Switch 2
      2. Switch 1, Switch 2, LED 1, LED 2
   8. Dimming an LED using a potentiometer
      1. LED, Potentiometer, Switch
   9. Using a transistor to drive a motor
      1. NPN Transistor, Resistor, Motor
   10. Using the accelerometer to control motor speed
       1. Single speed / Duty Cycle
       2. Set button A to increase speed
       3. Set button A to increase speed and button B to decrease speed
   11. Setting the tone with a piezo buzzer
       1. Play music with the buzzer
       2. Detect input on button A an play a melody
       3. Detect input on button B and play a different melody
       4. Detect input on button A + B and play a different melody
   12. Wind power in action
   13. Making a game using the compass
   14. Creating a capacitor charge circuit
   15. Making a pedestrian crossing using LED’
   16. Making a random dice
   17. Exploring transistors
       1. Darlington Pair for high current gain
       2. H-Bridge using 4 transistors to drive a motor
   18. Displaying temperature using the on-board sensor
   19. Building a soil moisture sensor
   20. Measuring humidity using the DHT11
   21. Measuring temperature using the DHT11
   22. Using a solid state relay to turn on LED, motor
   23. Create a Traffic Light Using 3 LEDs and a HC SR04 (Distance Sensor)
   24. Measuring algae in water using an LDR and an LED to determine if the water needs to be refreshed