## Curriculum for Wales 2022 Reference for Microbit Coding Workshop (KS3)

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| Area of learning | Progression step statement | Progression step |
| Languages, Literacy and Communication Area of Learning and Experience | Understanding languages is key to understanding the world around us. | I can understand and analyse general meaning and implied ideas. |
| Mathematics and Numeracy Area of Learning and Experience | The number system is used to represent and compare relationships between numbers and quantities. | I can use standard index form to represent large and small numbers, performing calculations in context. I can use appropriate rounding methods, including significant figures, to estimate values. |
|  |  | I can use my knowledge that measurements are not always accurate, and are subject to toleranceand margins of error, to solve problems involving upper and lower bounds. |
|  | Geometry focuses on relationships involving shape, space and position, and measurement focuses on quantifying phenomena in the physical world. | I can estimate and measure length, capacity, mass, temperature and time, using appropriate standard units. |
|  |  | I can demonstrate my understanding of angle as a measure of rotation and I can recognise, name and describe types of angles. |
| Science and Technology Area of Learning and Experience | Computation is the foundation of our digital world | I can apply design principles in order to design a range of efficient user interactions. |
|   |  | I can explain the techniques used to store and transfer data and understand their vulnerabilities. |
|   |  | I can make use of mathematical and logical operators in different software tools to investigate a line of inquiry independently. |
| 4 Core Purposes  | Ambitious, capable learners who: | Use digital technologies creatively to communicate, find and analyse information |
|  |  | Can explain the ideas and concepts they are learning about |
|  | Enterprising, creative contributors who: | Take measured risks |