

Year 1/Year 2 Key Knowledge Tracker Cycle B

Modelling, Music and Media

Year 1 Music Technology

Word Processing & Functional Skills	Working Towards	Expected	Greater Depth
Know that sounds can be recorded.			
Know that sounds can be arranged to create tracks.			
Know how to make a rhythmic pattern using a music app.			
Know how to record and save sounds.			
Know how to use recorded sounds in a music editing app.			

- **Declarative knowledge** - Subject knowledge and vocabulary used to learn about the content. It can be described as “knowing that.”
- **Procedural knowledge** - Knowledge of methods or processes. It can be described as “knowing how.”

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Y2 Digital Art

Word Processing & Functional Skills	Working Towards	Expected	Greater Depth
Know that paint tools can be used to draw a digital picture.			
Know that it is possible to change digital colours and brush sizes.			
Know how to make marks on a screen.			
Know how to explain which tools have been used.			
Know how to use the shape and line tools.			
Know how to use the fill tool.			

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Know how to create a picture in the style of an artist.			
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Data and Information

Y1 Pictograms

Creating media	Working Towards	Expected	Greater Depth
Know that objects can be sorted into different groups.			
Know that pictograms can be used to answer questions about data.			
Know that data in digital pictograms can be changed easily.			
Know how to label objects.			
Know how to explain how objects have been grouped.			
Know how to create a digital pictogram.			

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Year 1/Year 2 Key Knowledge Tracker Cycle B
Data and Information
Y2 Data Handling

Creating media	Working Towards	Expected	Greater Depth
Know that data can be presented in different ways.			
Know how to record data in a tally chart.			
Know how to collect and organise data.			
Know how to use a computer to create a bar chart.			

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Computers and Networks

Y2 Digital Technology Around Us

Computers and Networks	Working Towards	Expected	Greater Depth
Know that digital technology is used in school to make tasks easier.			
Know that different people in school use technology for different purposes.			
Know that digital technology is used widely in our world to make tasks easier and safer.			
Know that barcodes and QR codes can communicate information very quickly.			
Know how to use a QR code.			

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Physical Computing

Y2 Physical Computing

Physical Computing	Working Towards	Expected	Greater Depth
Know that an algorithm is a series of instructions.			
Know how to follow multi-step instructions given by someone else.			
Know how to give clear instructions.			
Know how to write an algorithm.			
Know how to test and debug part of a program.			

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Online Safety

Online Safety	Working Towards	Expected	Greater Depth
Know when and why to take breaks from device time.			
Know how to explain rules for travelling safely on the internet.			
Know that it is important to be safe, responsible and respectful online.			
Know that it is important to consider the feelings of people around me, even when using fun online activities.			
Know that it's important to be aware and respectful of people while using devices.			

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Online Safety	Working Towards	Expected	Greater Depth
Know that the internet can be used to visit faraway places and learn new things.			
Know how staying safe online is similar to staying safe in the real world.			
Know what to do when they don't have a good feeling when using technology.			
Know why it is important to not share passwords.			
Know how to get help from an adult if they are unsure about a website.			

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Year 1/Year 2 Key Knowledge Tracker Cycle B Computer Science

Computer Science	Working Towards	Expected	Greater Depth
Know that loops can be used to reduce the number of blocks of code used.			
Know that blocks of code can be used to create sequences.			
Know that blocks of code can be used to create sequences.			
Know that loops can be used to reduce the number of blocks of code used.			
Know that there are benefits of loops rather than manual repetition.			
Know how to break down long sequences using loops.			

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Computer Science	Working Towards	Expected	Greater Depth
Know how to use simple event blocks.			
Know that event blocks can trigger behaviours.			

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