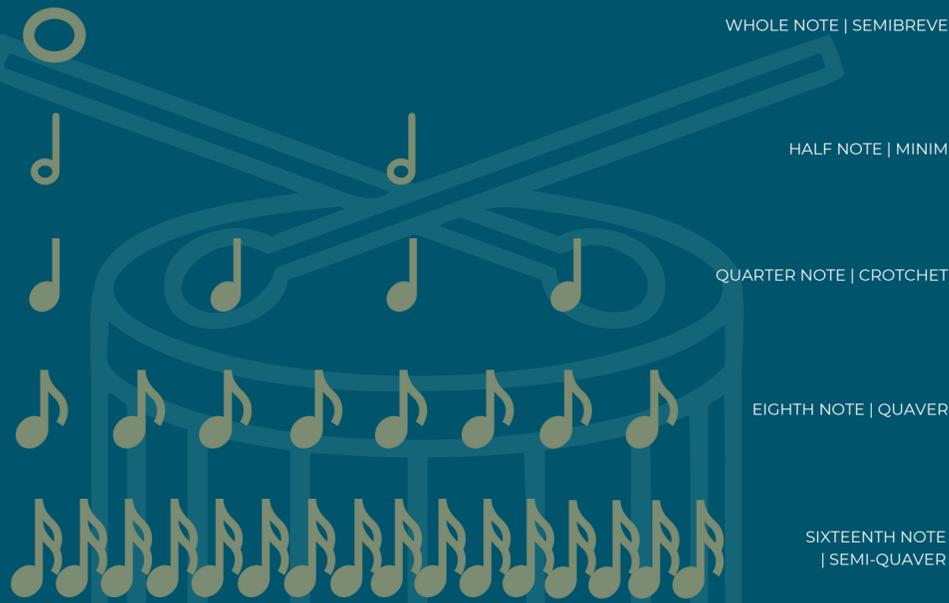




01 Activity Guidance and Instructions

NOTE VALUES



in the video, Tim demonstrates the differences between quarter notes, eighth notes and sixteenth notes.

KEEPING SAFE



Ask permission to use household objects as drums.

Be mindful of the noises that certain items might make as well as those around you.



02 Computer Science*

LOOP



A block of code repeated automatically under the program's control.

REPETITION



Executing a section of computer code a number of times as part of the program.

VARIABLES



A way in which computer programs can store, retrieve or change data, such as a score, the time left, or the user's name

SEQUENCE



To place program instructions in order, with each executed one after the other.

DECOMPOSITION



The process through which problems or systems are broken down into their component parts, each of which may then be considered separately

SPRITES



A way in which computer programs can store, retrieve or change data, such as a score, the time left, or the user's name

03 IT Skills*

INPUT



Data provided to a computer system, such as via a keyboard, mouse, microphone, camera or physical sensors.

OUTPUT



The information produced by a computer system for its user, typically on a screen, through speakers or on a printer, but possibly though the control of motors in physical systems.

PATTERNS



Once we have decomposed a complex problem, it helps to examine the small problems for similarities or 'patterns'. These patterns can help us to solve complex problems more efficiently.

HARDWARE



The physical systems and components of digital devices.

04 Links to additional resources and activities



COMPUTING AT SCHOOL HOME LEARNING

<https://www.computingatschool.org.uk/homelearning>



BAREFOOT COMPUTING (including unplugged activities involving music)

<https://www.barefootcomputing.org/>



HOME LEARNING RESOURCES FROM PARTNERS

Raspberry Pi Foundation
<https://www.raspberrypi.org/learn/>

NCEE <https://teachcomputing.org/home-teaching/>

STEM Learning <https://www.stem.org.uk/home-learning>



MUSIC PROJECTS

Sonic Pi (make music through code)
<https://sonic-pi.net/>

Literacy from Scratch
<https://www.literacyfromscratch.org.uk/teaching/music.html>

* Some definitions taken from Quick Start Computing Guide - <https://community.computingatschool.org.uk/files/8220/original.pdf>