



Jerry Clay Academy  
Subject Knowledge Organiser

Subject: Computing Year Group: 4 Term: Spring 1

**Core Learning of This Unit: We are musicians.**

- Create a repeating percussion rhythm
- Play music using virtual instruments
- Compose or edit tunes using the piano roll (pitch and duration) tool
- Perform electronic music using pre-recorded loops, and create their own loops
- Create a multi-track composition or performance using multiple instruments
- Give feedback to others on their compositions and performances.

**Prior Learning:**

- We are Software Developers
- We are makers

**National Curriculum Statements:**

- Use sequence, selection and repetition in programs; work with variables and various forms of input and output.
- Be discerning in evaluating digital content.
- Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information ... .
- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

**Key Vocabulary:**

- Beat sequence
- Live loops
- MIDI
- Piano roll
- Sample
- Stave
- Touch instrument
- Tracks
- Velocity
- Voice

**Significant People**

- Musician related to topic?
- Rainforest sounds?
- Links to Literacy, Music or Dance?