A screenshot of a computer

Description automatically generated with low confidenceA close-up of a music note

Description automatically generatedA picture containing text, graphics, font, logo

Description automatically generated

**Makey Music**

*Make music come to life with Makey Makey.*

* **A screenshot of a music device

  Description automatically generated with low confidence**Add the Makey Makey extension
* Add the Music extension

*A musical stave has five horizontal lines, each one representing a different pitch.* ***Notes*** *on the same line, or in the gaps in between have the same pitch.*

* A musical note with a few gold buttons

  Description automatically generatedPress a brass fastener through the centre of each note, on the line, or in the middle of the gap.
* Splay out the fastener legs at the back. Splay them vertically so they don’t touch.

*Each note has a letter from A to G indicating its pitch. Notes of the same pitch can be connected together as a single input to the Makey.*

* A pair of metal knives

  Description automatically generatedA black and gold musical note

  Description automatically generatedConnect notes with the same letter, A to G, with **conductive thread**. Wind the thread once around the fastener head to make a good connection.

*Connect each of the notes to the Makey inputs with these pitches.*

*A group of electrical wires

Description automatically generated*

**G** **space** play note **67**

**A** **left-arrow** play note **69**

**B** **up-arrow** play note **71**

**C right-arrow** play note **72**

**D** **down-arrow** play note **74**

* **A picture containing text, cable, medical equipment

  Description automatically generated**Using crocodile clips, Connect the notes to the Makey inputs above.
* A screenshot of a computer

  Description automatically generatedThe code for the G note is shown below.
* Add code for each input, with the key and note from the table above.
* Add comments to remind you what note it is by right-clicking on the code then **Add Comment**.
* Put the anti-static wrist-strap on the hand you want to play with.
* *A yellow and green box with white text

  Description automatically generated*Connect the wrist-strap crocodile clip to earth.
* **Set instrument** when you run the code.Experiment with different instruments.

*Play the tune by touching each note in turn.   
Leave your finger on the hollow notes for longer.*

*The curly symbol at the start is called the clef.*

**Materials:**

* Makey Makey
* **Download and print A3 landscape sheet music:**https://[codeclub67.github.io](https://github.com/codeclub67/codeclub67.github.io/tree/main)/[images](https://github.com/codeclub67/codeclub67.github.io/tree/main/images)/happy-birthday.pdf
* Brass-headed paper fasteners
* Conductive Thread (sold on Amazon as 30ft bobbins)
* Anti-static wrist straps