**Making a Music Box with Micro:Bit**

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| **Note (Frequency Hz)** | **Beats** | **Pause (ms)** |
| Low B (247) | 1/2 | 300 |
| Low B (247) | 1/2 | 300 |
| Middle C (262) | 1/2 | 300 |
| Middle D (294) | 1/2 | 300 |
| Middle D (294) | 1/2 | 300 |
| Middle C (262) | 1/2 | 300 |
| Low B (247) | 1/2 | 300 |
| Low A (220) | 1/2 | 300 |
| Low G (196) | 1/2 | 300 |
| Low G (196) | 1/2 | 300 |
| Low A (220) | 1/2 | 300 |
| Low B (247) | 1/2 | 300 |
| Low B (247) | 1 | 500 |
| Low A (220) | 1/4 | 200 |
| Low A (220) | 1/4 | 200 |

In this project you will make a music box. When you press button A, it will play these notes. You may need to adjust the pause durations as well as the beat values. If things are correct, this should play Beethoven’s Ode To Joy. To hear the sound, you will need to hookup some headphones to pin 0 and Ground. If you are using V2 of Micro::Bit you do not need to hookup headphones.

