

Jingle Bells



Note	Duration in Arduino code	
	1	C NOTE_C3
	2	D NOTE_D3
	4	E NOTE_E3
	8	F NOTE_F3
		G NOTE_G3

Notes:

Programming software is available in the Arduino IDE at:

Open → 02. Digital → toneMelody

This will open 2 files:

1. toneMelody.ino and
2. pitches.h

The file “pitches.h” gives names to each of the notes. For example, the first E in the score above is NOTE_E3. So, to play the first note in the score above, we could use an instruction like:

```
tone(8, NOTE_E3, 250); // this assumes the speaker is on pin 8
                        // and we play for 250 milliseconds (¼ of a sec)
```

The **toneMelody** program stores the notes in an array (called `melody[]`) and, for each note, there is a corresponding duration in a second array (called `noteDurations[]`).