## Science Grabbers Xylophone

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What You Need:
1/2 " thinwall electrical conduit
tubing cutter or hack saw
What You Do:

1. Cut pieces of tubing to the following specifications. Accuracy is important. Measure, mark and cut as carefully as possible.

| Number | Note Name | Length of pipe (inches) |
| :---: | :--- | :--- |
| 1 | B flat | $133 / 8$ |
| 2 | B | 13 |
| 3 | C (middle) | $125 / 8$ |
| 4 | C sharp | $121 / 4$ |
| 5 | D | $117 / 8$ |
| 6 | E flat | $111 / 2$ |
| 7 | E | $111 / 4$ |
| 8 | F | $107 / 8$ |
| 9 | F sharp | $105 / 8$ |
| 10 | G | $101 / 4$ |
| 11 | A flat | $97 / 8$ |
| 12 | A flat | $95 / 8$ |
| 13 | B flat | $93 / 8$ |
| 14 | C | $91 / 8$ |
| 15 | C sharp | $87 / 8$ |
| 16 | D | $85 / 8$ |
| 17 | E flat | $83 / 8$ |
| 18 | E | $81 / 8$ |
| 19 | F | $77 / 8$ |
| 20 |  | $71 / 2$ |

2. Play the song Happy Birthday.

| 33 | 5 | 3 | 8 | 7 |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  | 1 |  |


| 33 | 5 | 3 | 10 | 8 |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 1 |  | 3 | 3 |

$\begin{array}{llllll}33 & 15 & 12 & 8 & 7 & 5\end{array}$ $\begin{array}{lllll}12 & 8 & 3 & 3\end{array}$ 83
$\begin{array}{llllll}13 & 13 & 12 & 8 & 10 & 8\end{array}$
$\begin{array}{lllll}88 & 8 & 3 & 7 & 3\end{array}$
5533
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