



## Marvellous Music

**Suitable for:** Children aged 4-11

### Things You Will Need:

- About 8 plastic drinking straws (You might not really need all straws. You might be able to use 1 straw for multiple straw sizes.)
- Scissors
- Ruler
- Roll of tape



**You will love** making a musical instrument out of everyday materials you probably have at home!

**Did you know?** All Saints has a strong musical tradition going back hundreds of years! By the sixteenth century All Saints had a choir which walked in ceremonial processions and sang at special services! Did you know in the eighteenth century the organist employed at All Saints was Mary Varden? She was a local girl from a musical family who was only 13 years old!



*The organ at All Saints Church, Kingston*

## How to Make Your Fantastic Flute

**Before starting:** If you have bendy straws then cut the tops off to avoid any wonky flutes!

**Step 1:** Lay out all the materials. You should leave the first straw full length. For the second straw cut  $\frac{1}{2}$  inch off; cut off 1 inch from the third straw,  $1\frac{1}{2}$  inches from the fourth straw, and so on, cutting an additional  $\frac{1}{2}$  inch from each straw.

**Top tips:**

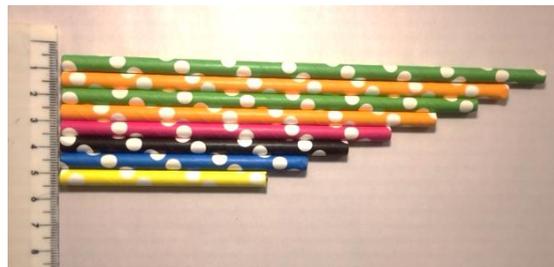
*-You can talk about measurements. Did you know 1inch equals 2.54 cm? What would that make  $\frac{1}{2}$  inch?*

*-You can draw a mark on where to cut the straw to make sure you get it right!*



**Step 2:** Line up the straws up from biggest to smallest.

**Top tip:** Use the straight edge of the ruler to arrange the tops of the straws in a straight line

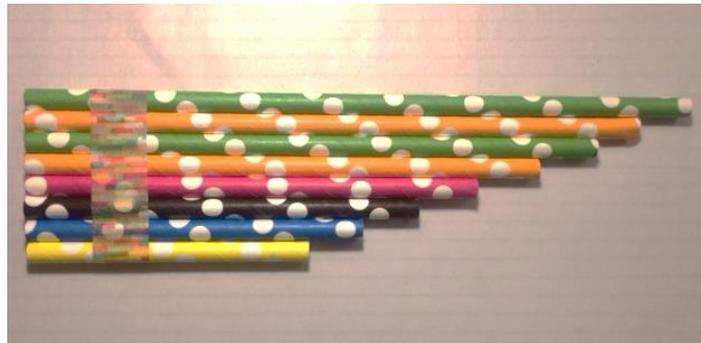


**Step 3:** Now the straws are lined up straight, put the tape right over the top of the flute, across each straw.

**Top tip:** Use 4-5 inches of tape to secure the straws together. If the tape is too short then you can add another smaller piece of tape.



**Step 4:** Wrap the tape around the other side of the straws together, making sure that it completely covers each straw.



**Step 5:** Create some marvellous music with your fantastic new flute! See if you can hear the sounds that straw makes. Which straw makes the highest sound? Which makes the lowest sound?