

Lesson Plan KS1



DESIGN & TECHNOLOGY - Rank of Pipes

Lesson Objective: To design and make a 'Rank of Pipes' stationery holder.

Starter	Main Teaching	Resources
Remind the children of their visit to see and hear the organ in SMSG Church. Using photographs taken on your visit or using the Music for All @ SMSG website, show the children pictures of the organ pipes. This is linked to the Maths Lesson Plan - Measure Up!	<u>Activity 1 - Different, colours, shapes and sizes</u> Compare the golden pipes that can be seen on the outside to those hidden away. How do they vary in colour and material and size? Discuss how they are arranged in size to form a 'rank'. Why are they different lengths? <u>Activity 2 - Choosing the right length</u> Introduce the idea of making a stationery stand to look like a rank of pipes. Discuss how tall the longest pipe should be, then the shortest. How many pipes should there be in your 'rank'. <u>Activity 3 - Measure Up!</u> Using the 'Ruler Rules' (from Maths Lesson Plan), let the children measure the cardboard tubes and cut them to the different lengths. Stick them onto a cardboard base stand. <u>Activity 4 - Finishing touches</u> Strips of cardboard could be used to secure the pipes, like the casework on the organ, or they can be taped together. These can be painted or decorated.	A large number of cardboard tubes of various lengths and sizes! A selection of cardboard for a base stand and 'casement' binding. Tape or glue. www.musicforallmsg.org Maths Lesson Plan - Measure Up!