

Lesson Plan KS3



COMPUTING – Scientific Diagram

Lesson Objective: To produce a clear and informative diagram of the air flow in a pipe organ and how the organ makes its sounds.

Starter	Main Teaching	Resources
From your Visit to see and hear the organ at SMSG Church think about the workings of the organ and what causes a sound to be made when the organist presses a key. This lesson is linked to Science, with Activity 4 producing a diagram/flow chart/presentation by hand.	<u>Activity 1 - Blower to Pipe</u> Students access the DVD entitled 'How the organ works: basics' and 'How the organ works: mechanics.' <u>Activity 2 - Examples</u> The Resource Blower to Pipe Diagram gives an example, but there are many online examples of flow charts for experimenting and practising. <u>Activity 3 - Make it your own</u> Decide upon the techniques and options to use, that best suit the subject matter. Complete your own diagram/flow chart. <u>Activity 4 - Alternatives</u> Find another way to present this information - e.g. a power point presentation.	A copy of DVD: Willis Pipe Organ Restoration and Reach-out Project. Or go to http://www.musicforallsmg.org/learning/ Resource Blower to Pipe Diagram