



Lesson Plan KS3

Lesson Objective: To discover the mechanics of the pipe organ and understand how the air gets from the blower to the pipes.

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 Computing, with Activity 4 producing a diagram/flow chart/presentation on the computer.	<u>Activity 1 - Blower to Pipe</u> Give the students copies of the Blower to Pipe Diagram or share this as a class on the board/panel. Through discussion, explain the journey of the air in order to make the organ sound. Maybe cover up some of the text (or pictures) to assess the students understanding. <u>Activity 2 - Mechanics</u> Watch the sections of the DVD entitled 'How the organ works: basics' and 'How the organ works: mechanics.' <u>Activity 3 - Circuits</u> Discuss the function of each component and explore the vocabulary to describe them. Compare the function of these electrical circuits and parts compared to others encountered by the students. <u>Activity 4 - Explain</u> The students can produce their own Blower to Pipe diagram, maybe using photographs from their visit or by drawing their own pictures.	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