

Lesson Plan KS2

Lesson Objective

To identify how sounds are made and find patterns between the pitch of a sound and features of the object that produced it.

Starter	Main Teaching	Resources
In small groups children create a soundscape of the sounds they hear in their daily life. After each group shares their sound-scape, the class identify the sounds and the teacher lists on the board in two columns (natural and man-made). Children identify the categorisation.	<u>Activity 1 - Did you hear that?</u> What different activities/actions would you expect to see people doing in this church? (<i>Reading a Bible, praying, preaching, playing the organ, singing, walking, kneeling, socialising, ringing bells, listening etc.</i>) Children find a space in the church to sit on their own. Allow a few minutes for children to listen to the sounds of the church and record on Highs and Lows worksheet A1. Teacher/child could perform some of the actions suggested by the class, e.g. turning pages, putting a kneeler on the floor, playing some notes of the organ, whispering/talking to someone and walking down the aisle. <u>Activity 2 - Produce it</u> Children are given a range of equipment to choose from to make an instrument that produces different pitches. Children draw and label their instrument on Highs and Lows worksheet A2. Examples:    <u>Activity 3 - Pitch it</u> Groups play their instruments to the class and discuss how the sounds are made and how different pitches are produced. Teacher to display key scientific words and comparative phrases that the children use to explain sound production, e.g. vibration, the thicker the band the deeper the pitch. Children record their learning on the Highs and Lows worksheet A3. <u>Activity 4 - Link it</u> Children make predictions of which pipes, keys and pedals on the organ will produce the highest/lowest pitch and explain why. Record on Highs and Lows worksheet A4. Class then test theories and reflect on their predictions.	A range of materials, e.g. elastic band, small containers, straws, paper, bottles, cardboard tubes, scissors. Highs and Lows Worksheet.