

Year 5

LIGHT AND SOUND

Scheme of Work

<u>Session</u>	<u>Objectives</u>	<u>Content and Activities</u>	<u>Resources</u>	<u>Assessment</u>
1	To establish children's existing level of knowledge and understanding about light and sound.	Discussion with children: What is light? What is sound? How does sound/light travel? Link to the topic of Space – Shadows, light travelling from stars. Demonstrate how to make a concept map. Children to complete one using these words: (<i>LIGHT- sun, day, night, straight lines, eyes, seeing</i>) (<i>SOUND – vibration, wave, pitch, ear, hear</i>)	Topic Books and Glue Vocabulary for Concept Map Plain A4 paper	What do the children already know? What do they need to learn?
2	To explore and describe different sounds. To investigate how different sounds are made.	Tell the children that they are to begin their topic studying sounds. Discuss sounds they can hear around them in the classroom environment. Discuss which noises are pleasant to listen to and which noises are not. Ask them to give reasons for these differences. Independently children complete the worksheet listing sounds they like/ dislike. Ext n: Draw a picture of the source of the sound and the sound reaching the ear.	Topic Books and Glue Annoying Noise Sheet	Which children can describe sounds using vocabulary such as <i>high, low, soft, pitch</i> ?
3	To further investigate how sounds are made. To make careful observations of instruments and tuning forks. To draw conclusions about how sounds are made. To learn that sounds are made by vibrations.	Give children a selection of tuning forks and musical instruments. Ask them to find out how the sound is made. Allow each group time to describe one of the sound makers to the rest of the class. Ask them to describe the sound and how they think it is created. Write Up the findings under the headings: What is Sound? How is Sound made? SEN: Worksheet	Topic Books and Glue What is Sound information sheet. Selection of musical instruments Tuning forks	Can the children describe how their sound is made? Are the children able to draw conclusions?