

Target Skill



I can discuss common animals, machines, and objects that make sound.

1st Grade - Sound and Light - Investigation 1

Target Skill



I can produce sound with a cup, rubber band and flat stick.

1st Grade - Sound and Light - Investigation 1

Target Skill



I can find out that the sound is coming from a vibration and that vibrating objects always make sound.

1st Grade - Sound and Light - Investigation 1

Target Skill



I can find out that sound can be stopped by stopping the object's vibration.

1st Grade - Sound and Light - Investigation 1

Target Skill



I can identify an object by the properties of their sound.

1st Grade - Sound and Light - Investigation 1

Target Skill



I can investigate sound by using a tuning fork and tone generator.

1st Grade - Sound and Light - Investigation 1

Target Skill



I can identify sounds in my environment as either human generated or from a natural source.

1st Grade - Sound and Light - Investigation 1

Target Skill



I can investigate two sound producing systems: the one-string guitar and the xylophone.

1st Grade - Sound and Light - Investigation 2

Target Skill



I can observe that sound can differ in volume over a range from soft to loud.

1st Grade - Sound and Light - Investigation 2

Target Skill



I can find the relationship between the amount of energy used to produce a sound and the volume of the sound.

1st Grade - Sound and Light - Investigation 2

Target Skill



I can observe the volume and pitch of the table fiddle.

1st Grade - Sound and Light - Investigation 2

Target Skill



I can record my understanding of the relationship between length and pitch.

1st Grade - Sound and Light - Investigation 2

Target Skill



I can create a spoon-gong system to produce a simple model of how sound travels.

1st Grade - Sound and Light - Investigation 2

Target Skill



I can engineer a device to send whisper messages over a distance.

1st Grade - Sound and Light - Investigation 2

Target Skill



I can use a flashlight to find out what happens when you block light with an object.

1st Grade - Sound and Light - Investigation 3

Target Skill



I can observe what happens to a shadow when I move my light source from my object.

1st Grade - Sound and Light - Investigation 3

Target Skill



I can investigate other sources that can make shadows.

1st Grade - Sound and Light - Investigation 3

Target Skill



I can determine what objects are creating shadows as the sun being the light source.

1st Grade - Sound and Light - Investigation 3

Target Skill



I can distinguish between opaque, transparent and translucent materials.

1st Grade - Sound and Light - Investigation 3

Target Skill



I can determine that the darkest shadows are made by opaque objects, whereas translucent objects create lighter shadows.

1st Grade - Sound and Light - Investigation 3

Target Skill



I can use a mirror to redirect a light source.

1st Grade - Sound and Light - Investigation 4

Target Skill



I can use a mirror to see things behind me, to the side of me and to see my own face.

1st Grade - Sound and Light - Investigation 4

Target Skill



I can talk about photographs where images were reflected from other smooth surfaces such as mirrors, glass and water.

1st Grade - Sound and Light - Investigation 4

Target Skill



I can investigate shapes with a black box.

1st Grade - Sound and Light - Investigation 4

Target Skill



I can design a way to redirect light with two mirrors.

1st Grade - Sound and Light - Investigation 4

Target Skill



I can explore ways to communicate long distances, using light.

1st Grade - Sound and Light - Investigation 4

Target Skill



1st Grade - Sound and Light - Investigation

Target Skill



1st Grade - Sound and Light - Investigation

