

# Discovery

## Light and Sound



### Years 1 & 2

Your students consider sources of light and how to create shadows. They will build instruments and use their bodies and computers as they experiment with making sounds. Your students will work towards presenting a production of a story using puppets and sounds.

### Rationale

We can learn scientific knowledge and skills through hands-on exploration and experimentation with design and technology.

### Essential questions

- How can we make puppets and instruments?
- How can we use instruments, computers and our bodies to make sounds?
- How can we use sounds and shadows to tell a story?

### Glossary

amazing, badge, chirp, clip-clop, crackle, explore, instrument, light, maracas, mirror, music, pan flute, percussion, pitter-patter, pianola, puppet, shadow, sound, squelch, sun, theatre, torch, whoosh, woodwind

### Rich assessment task

Students will select a story from a range of picture story books to recreate as a puppet show. They will develop the soundscape and create moving shadow puppets for their production. Students will assist in presenting another group's production.

### Future action

Your students will develop a curiosity about the science in their world. They will use knowledge about light and sound as they play with design and technology at home and at school. Your students will consider how their favourite movies and performances use sound effects to enhance the story, and how music in their world can communicate emotion.