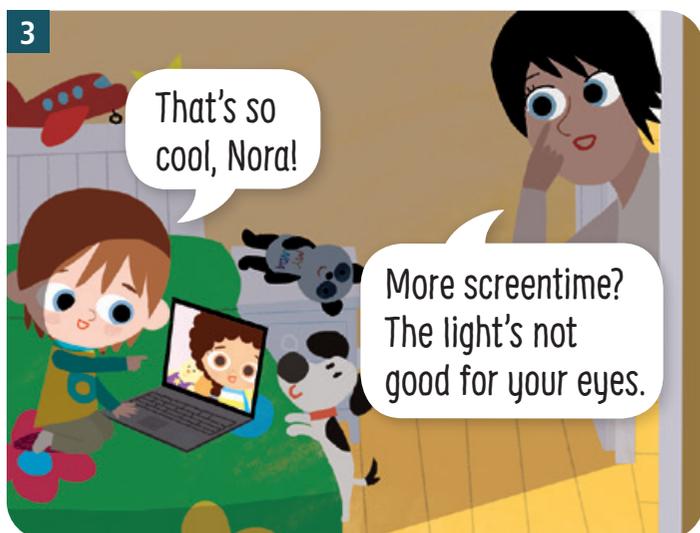


LIGHT AND SOUND

STORY TIME

1  Read and listen to the story. Why has Thomas got a headache?





2 Act out the story.

ABOUT THE STORY

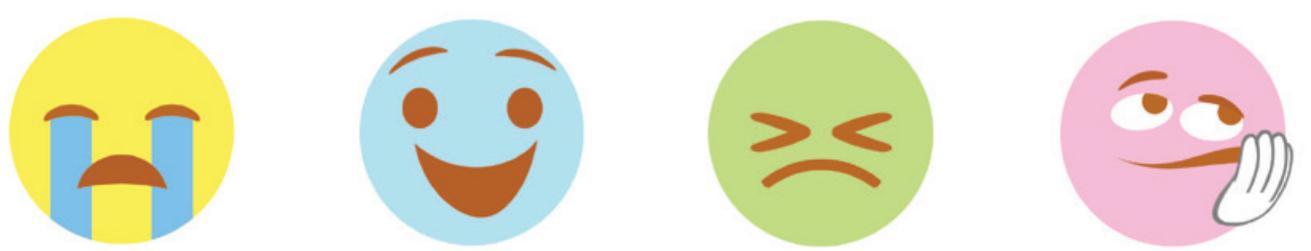


1 Read, look and circle.

a Who has too much screentime?



b When I have a lot of screentime, I feel ...



SCREENTIME MANAGER



WONDER



DISCOVER

- 1 Sources of light
- 2 Sources of sound
- 3 Uses of light and sound

Start using your
Project Journal to
complete the project.



SONG

- 1  Listen and sing the *At the cinema* song.



AT THE CINEMA

I watched a film about some kids in France, staying all summer at a camp. They sat by the fire watching its light, and looking up at the stars at night!

CHORUS

**At the cinema, the music's loud.
It's so much fun, the light and sound!
The film shows people moving around.
Yes, the cinema's spectacular!**

On the campsite, they made lots of noise, sang in a choir and played with toys! They played football and badminton, listened to music and had a dance!



- 2  Listen to the song again. Circle the words you hear.



cinema



concert



friends



fire

LET'S ZOOM IN!

- 1 What do you see?
- 2 What is it?



SOURCES OF LIGHT

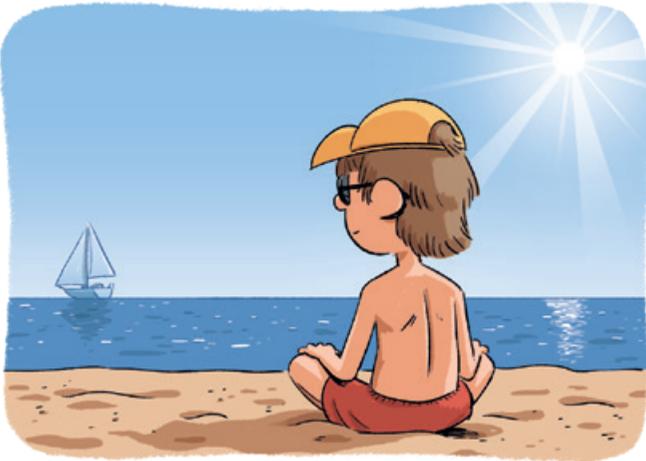
1 Look and write.

natural

lamp

Sun

artificial



The is a source of light.



The is a source of light.

2 Which photos show the correct use of light? Tick .



Light is a form of energy. Natural light comes from sources in nature, like the Sun. Artificial light comes from machines people make, like lamps. We can save energy if we use energy-efficient light bulbs and turn off lights when we do not use them.



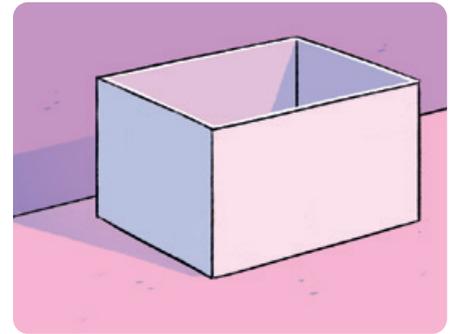
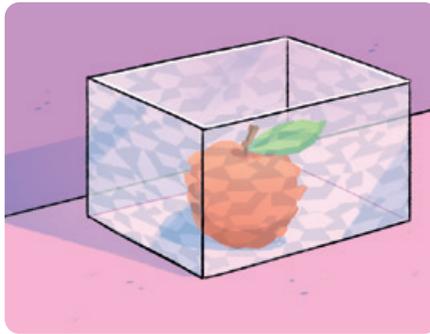
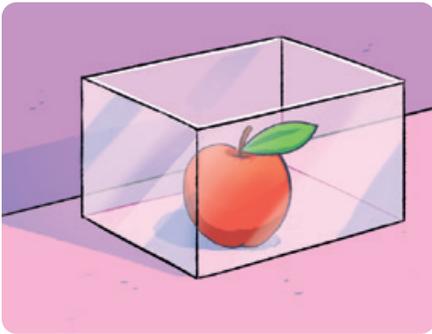
LIGHT AND MATERIALS

1  Listen and write.

transparent

translucent

opaque



2  With a partner, point and ask.

Is it transparent/
translucent/opaque?

(Yes), because I *(can)*
see through it (*a little*).



You can see through transparent materials well because all light can pass through them. Only some light can pass through translucent materials. You cannot see through opaque materials because they completely block the light.

SOURCES OF SOUND



1 Stick the photos of sounds in the correct column.

natural	artificial

2 Listen to the *Sound waves* chant. Number the words.

loud

soft

high

low



Natural sounds come from nature. People, animals and weather make natural sounds. Artificial sounds come from machines. Sounds can be loud, soft, high or low.

USES OF LIGHT AND SOUND



1 How do we use light and sound? Use the code to colour.

 for fun

 for communication



2 Cross out the incorrect uses of light or sound.



We use light and sound for fun and for communication. It is important to use them correctly. Do not get too close to screens or look directly at the Sun. Listening to sound that is too loud can harm your hearing.

LANGUAGE CORNER



Time to speak

1 Look at the picture. Ask your partner the questions.



Pupil A

- a What is the blonde girl doing?
- b What are the boys picking up?
- c What are the adults watching?

2 Discuss with your partner.

- a Do you know any charities?
- b What are some things you can do to help your community?

Pupil B

- a What is the man selling?
- b Is it raining?
- c What are the two girls doing?

SPEAKING TIP

He's (*selling muffins*).

Yes, they are. / No, they aren't.

Yes, it is. / No, it isn't.

They're (*watching*) ...

SCIENCE WORKSHOP

A STAINED-GLASS WINDOW

Use different materials to make a stained-glass window.

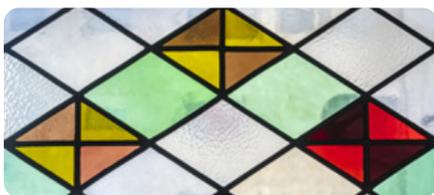


Materials:



Look

Look at the photos of stained-glass windows.



PUBLIC SPEAKING

Express yourself with your hands. Use them to imitate what you feel when you touch a certain material.

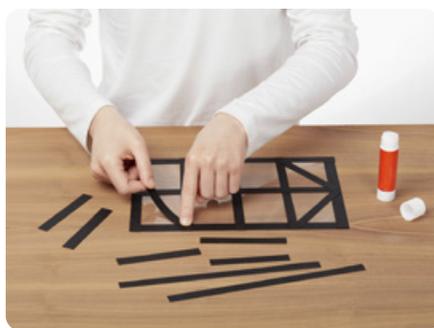
Ask

Are there transparent, translucent and opaque parts?

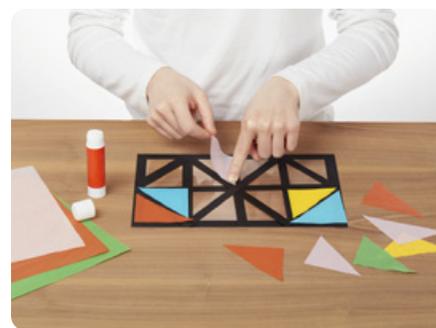
Make



① Cut out black strips to make a frame. Glue them to acetate paper.



② Glue more strips to the acetate paper to make a design.



③ Cut out shapes from tissue paper. Glue them onto the strips.

Share

Tell the class about the different parts on your window.

UNIT REVIEW

Sources of light

1 Tick the natural sources of light.

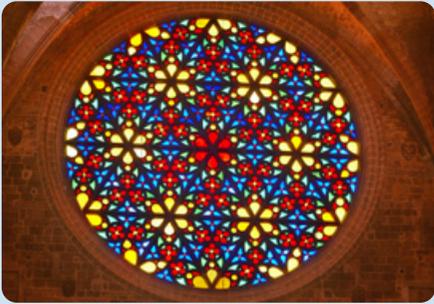


2 Which rooms show people using lights correctly? Circle.

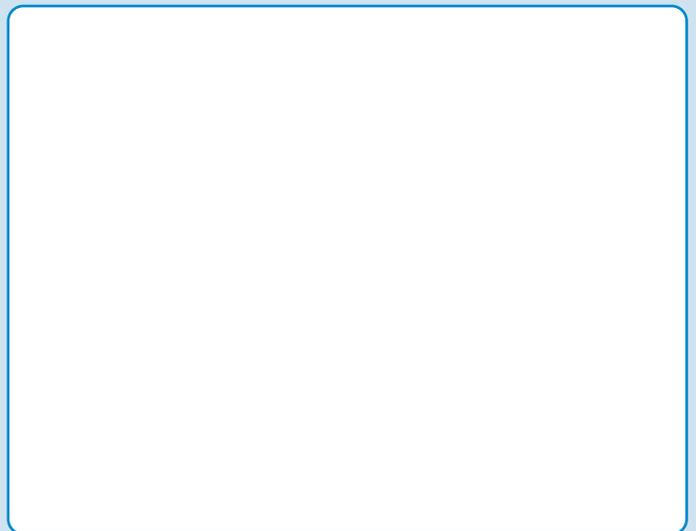
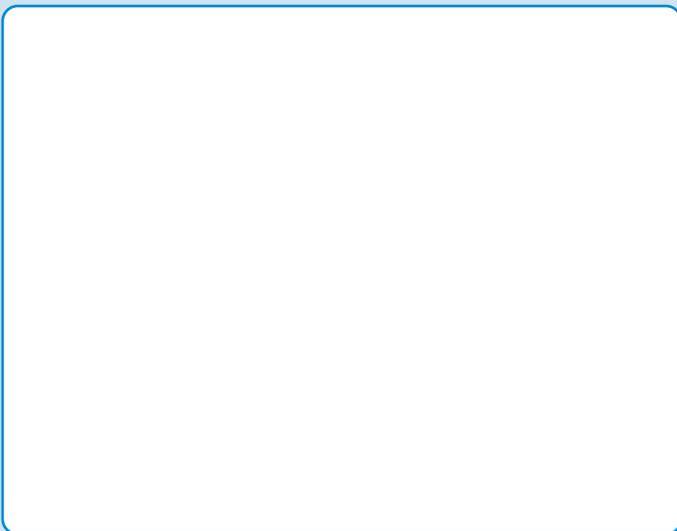


Light and materials

3 Look and write *opaque*, *translucent* or *transparent*.



4  Listen and draw.



Sources of sound

5 Which sounds does it make? Circle the correct words.



natural/artificial/loud/soft



natural/artificial/loud/soft



natural/artificial/loud/soft



natural/artificial/loud/soft

6 Do the *Colour-Symbol-Image* thinking routine.



 Colour	 Symbol	 Image
soft sound	low sound	high sound

Uses of light and sound

7 Look. Complete the sentences.

sound

light

communication

fun



He is using
for .



She is using
for .

8 Look at the family. Tick the correct sentences.



The dad is looking at the Sun.

The sister is reading in the shade.

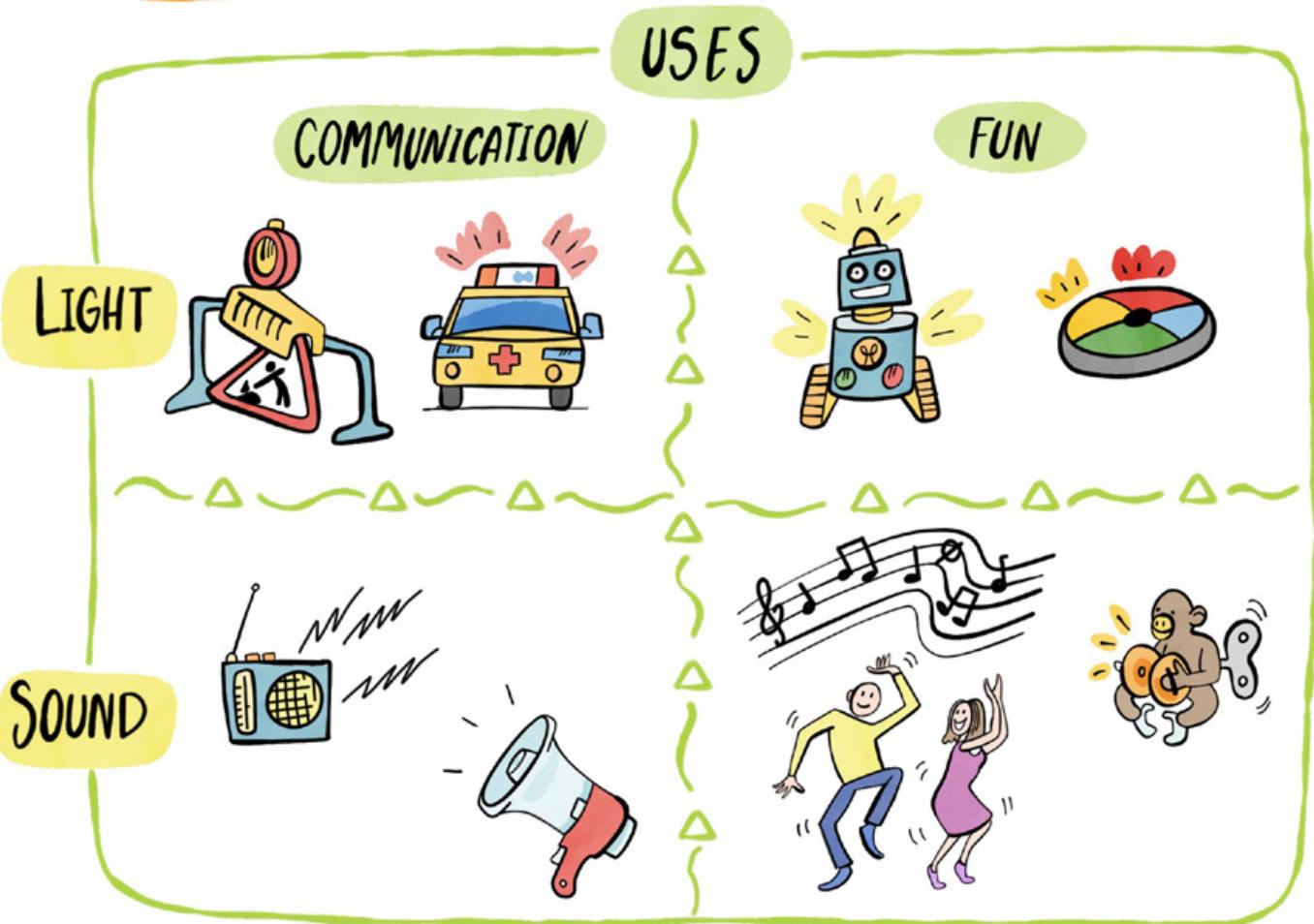
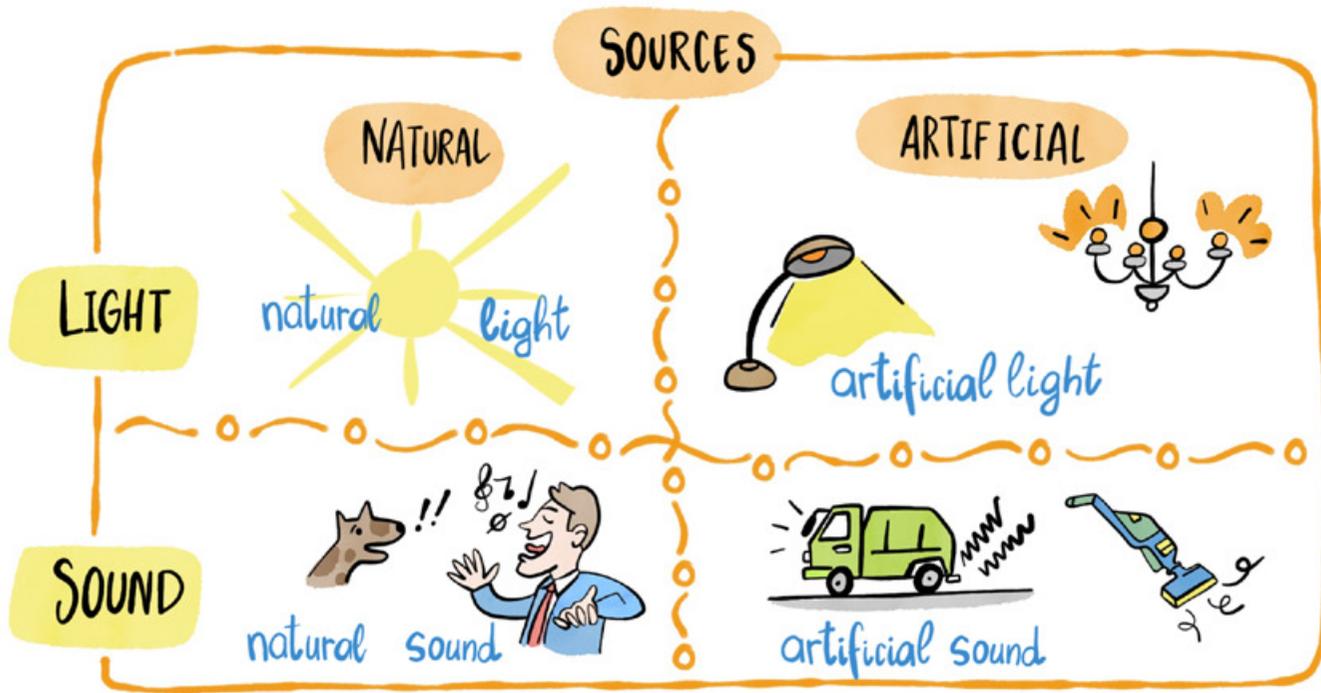
The mum is too close to the screen.

The grandpa likes the sound.

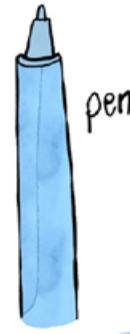
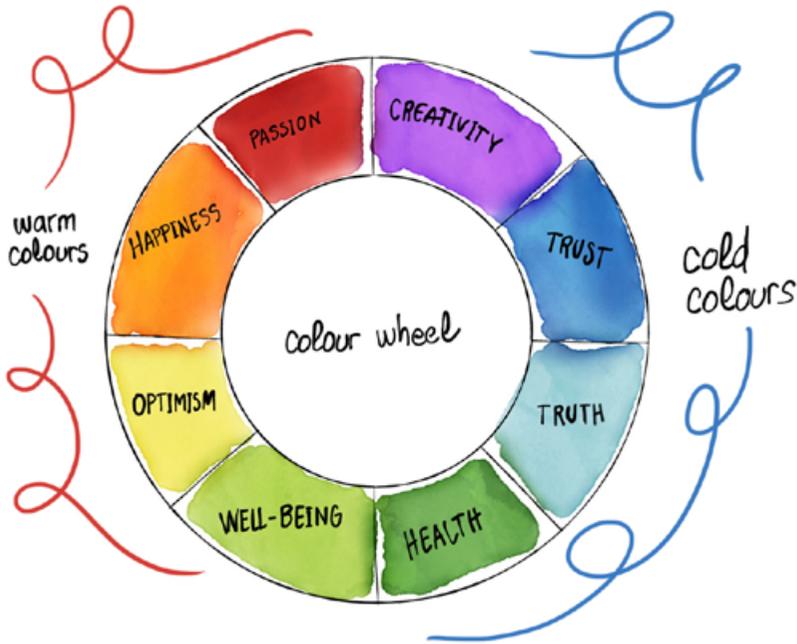
The brother is playing loud music.

The grandma is protecting her eyes.

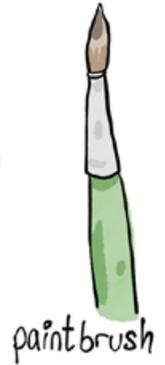
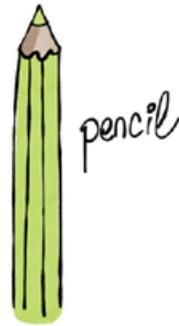
▶ VISUAL SUMMARY



the meaning of COLOURS



USE DIFFERENT TECHNIQUES WITH A...



VISUAL CHALLENGE

Match each colour to a drawing and colour the corresponding element.