Technology Around Us: Technology in the Home

National Curriculum

Recognise common uses of information technology beyond school.

Aim

To recognise different types of technology in the home and understand why they are used.

Lesson Duration

It is estimated that this lesson will take approximately 60 minutes.

60 mins

Success Criteria

I can recognise the difference between technology and information technology.

I can identify examples of information technology in the home.

I know why information technology is used in the home.

Key Vocabulary:

Information technology (IT), technology.

Resources

Lesson Pack

Scissors

Glue

Preparation

Knowledge Organiser – one per child (This contains all the key knowledge for the unit and will be used during every lesson.)

Technology in the Home Sorting Cards - one set per group

Differentiated Sort IT Out Activity Sheets – one per child

Prior Learning: From Lesson 1, children should be familiar with what technology is and should be able to name technology that they see or use around the school.

Learning Sequence

Remember It: Ask children to play a game of **Ping Pong** to recall items of technology in school. Each child takes it in turn to name an item before batting it across to their partner. How many different items can they name?

Technology in the Home: Use the images in the Lesson Presentation to encourage children to think about technology that they may have used in their homes today. Take feedback from children and use the opportunity to reinforce the concept that technology helps us to do things more easily.

Can children give reasons why we use technology in our homes?

Using the house cross-section, encourage children to start thinking about the technology used in different rooms within a house.

Technology in the Home Sorting Cards: Use the Lesson Presentation to introduce the Technology in the Home Sorting Cards activity to familiarise children with a wide range of technology found in the home. Encourage children to think about what each piece of technology is used for.

What Is Information Technology?: Use the Lesson Presentation to ensure that children understand the definition of information technology. Show examples of technology and spend time discussing the examples of information technology and how these are different from the other technologies shown.

Sort IT Out: Encourage children to recall previous learning by asking them to explain the special properties that are specific to information technology. Take feedback from the children before revealing the definition of information technology once again to reinforce understanding. Set children the challenge of sorting examples of technology and information technology using the differentiated Sort IT Out Activity Sheets.

Can children remember the special properties of information technology and apply these to real life examples?

- ★ Children sort the eight pictures of technology into the table.
- ★★ Children sort the fifteen pictures of technology into the table.
- ★★★ Children record their own examples of technology and information technology into the table.

Why Do We Use It?: Share the examples of information technology included in the Lesson Presentation. Ask children to provide their own thoughts about why we use these items before revealing the answers provided.

Exploreit

Consolidateit: Consolidate children's knowledge of different types of technology around the home with this

Exploreit: Provide children with a range of technology and information technology, such as an empty kettle, a digital camera, a tin opener, a pair of scissors or a CD player. Please ensure that any items given are safe for children to handle. Ask them to examine each item closely and think about the different parts and how they might work.

Assessment Notes:

Disclaimer

To ensure the safety of the children in your setting, it is your responsibility to assess whether adult supervision or other appropriate safety measures are required when using scissors.

Computing

Technology Around Us

Technology in the Home

Meet Quizby!

Can you spot me in the Lesson Presentation?

The questions that appear will help you to think about the key learning throughout the lesson.

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Remember It

In the last lesson we looked at technology in school.

How many different types of technology can you remember?

Play a game of Technology Ping Pong with your partner.

Take it in turns to say the name of an item of technology in school (look around you to give you ideas).

Try to reply to each other as quickly as possible, without hesitating.

How many different items can you name?

Technology in the Home

Technology is important in our homes.

Think About It What technology do you use in your home?

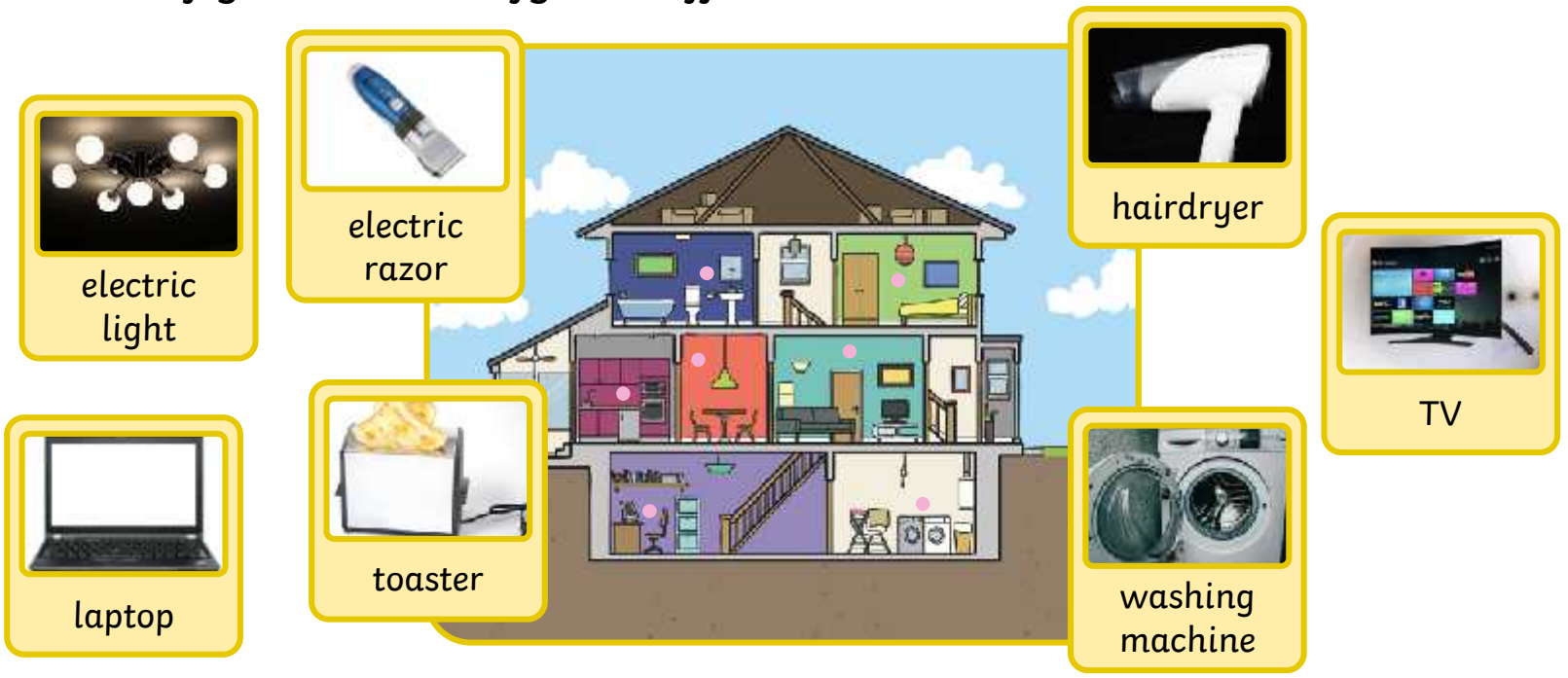
Have you used any of these technologies today?

X

Why do we use technology in our homes?

Technology in the Home

There are lots of different rooms in our houses. Look at the house below and see if you can identify the different rooms.



Click on the pink dot in each room to see one piece of technology that might be found there. What do we use that technology for?

Technology in the Home Sorting Cards

Use the **Technology in the Home Sorting Cards** to learn about other types of technology in the home.

Sort the cards into groups to show which rooms they might be found in.

Think about each piece of technology. What is it used for? How does it help us?

What Is Information Technology?

Some sorts of technology belong in a special group called **information technology**.

Information technology is:

- technology that creates, stores or exchanges information;
- technology that is a computer or that needs a computer to work.

What information technology can you see in this picture?

What Is Information Technology?

Which of the following is an example of information technology?

This is not an example of information technology. Try again.

This is not an example of information technology. Try again.

The laptop is an example of information technology. It is a computer. It processes information.

This is not an example of information technology. Try again.

What Is Information Technology?

Which of the following is an example of information technology?

The digital camera is an example of information technology. It needs to be connected to a computer to exchange information.

This is not an example of information technology. Try again.

This is not an example of information technology. Try again.

This is not an example of information technology. Try again.

What Is Information Technology?

Which of the following is an example of information technology?

This is not an example of information technology. Try again.

This is not an example of information technology. Try again.

This is not an example of information technology. Try again.

The games console is an example of information technology. It is a type of computer. It processes information.

What Is Information Technology?

Which of the following is an example of information technology?

The tablet is an example of information technology. It is a type of computer that creates, stores and communicates information.

This is not an example of information technology. Try again.

The mobile phone is an example of information technology. It is a type of computer that creates, stores and communicates information.

This is not an example of information technology. Try again.

Sort IT Out

X

Can you remember what is special about information technology?

Information technology is:

- technology that creates, stores or exchanges information;
- technology that is a computer or that needs a computer to work.

Use the Sort IT Out Activity to see if you can spot other information technology in the home.

Why Do We Use It?

Information technology helps us to create, store and exchange information.

Why do we use a digital camera?

A digital camera is an example of information technology. It captures digital images and stores them.

Why Do We Use It?

Information technology helps us to create, store and exchange information.

Why do we use a mobile phone?

A mobile phone is an example of information technology. We can make phone calls, send texts and emails and store photos and videos.

Why Do We Use It?

Information technology helps us to create, store and exchange information.

Why do we use a printer?

A printer is an example of information technology. A printer produces a copy of information stored in a computer.

Why Do We Use It?

Information technology helps us to create, store and exchange information.

Why do we use a USB drive?

USB drives are an example of information technology. USB drives are used to store digital information.

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06:50

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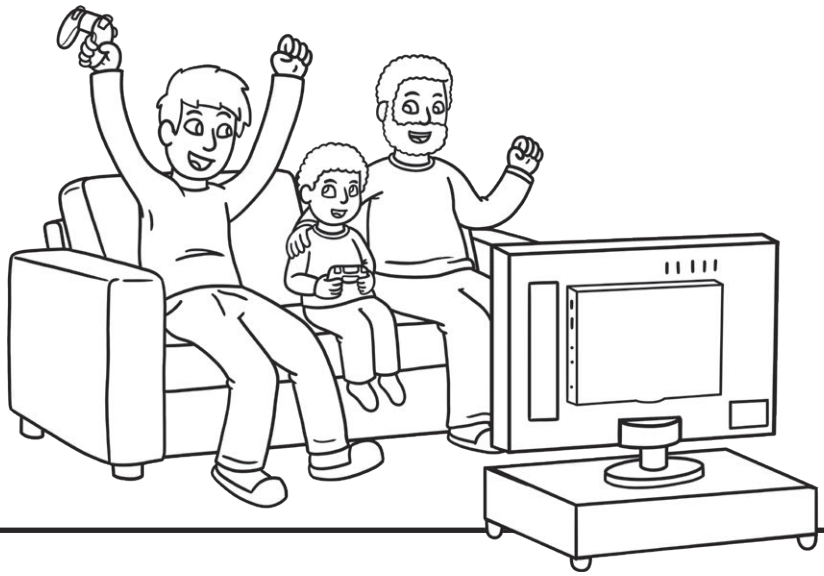

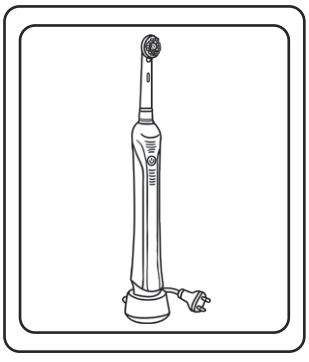

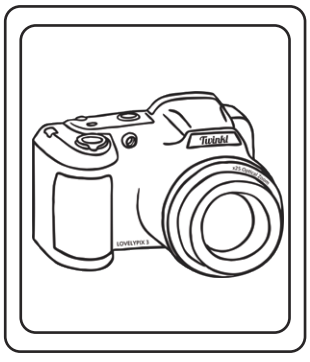

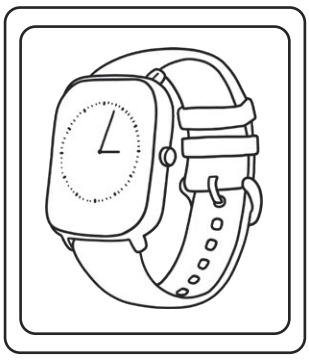

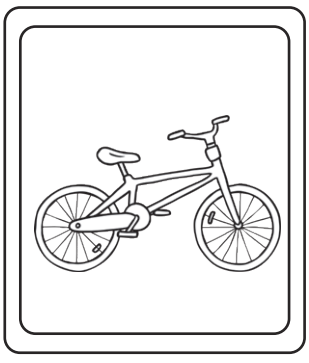

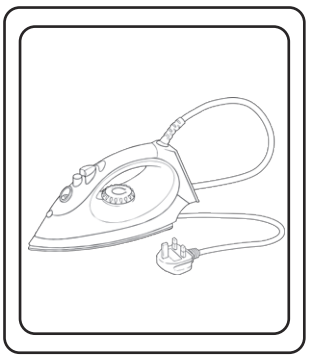

Sort IT Out

To recognise different types of technology in the home and understand why they are used.

Stick your technology in the home pictures into the table to show if they are technology or information technology.

Technology	**Information Technology** Remember information technology helps us to create, store or exchange information.

Sort IT Out

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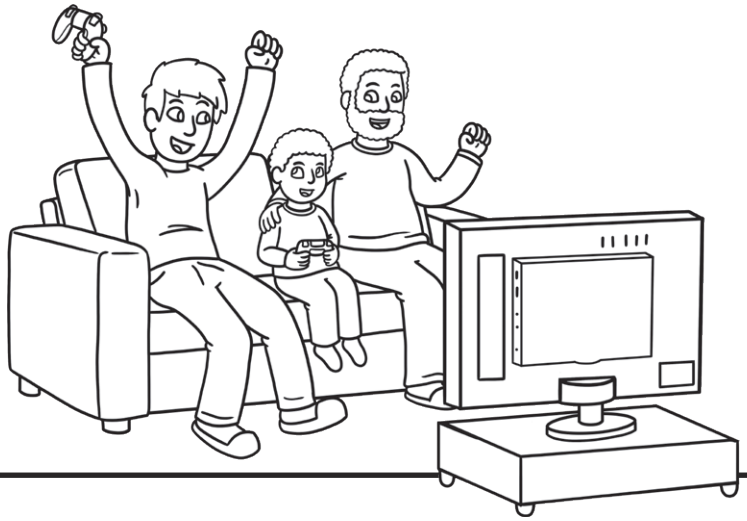
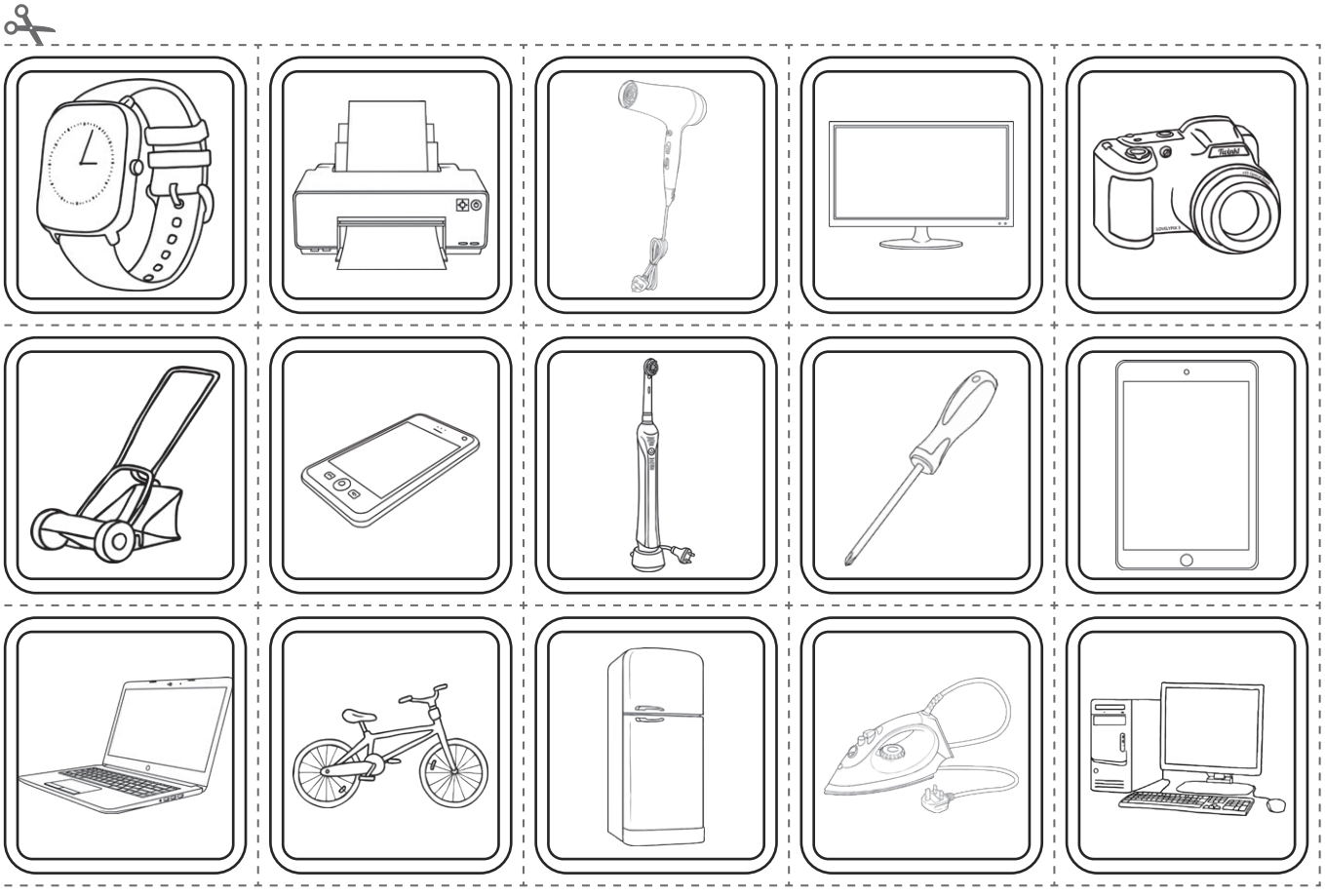
Cut out the pictures of technology. Sort them into the table to show which ones are examples of information technology.





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Think about examples of technology and information technology you might find in a home. Write them into the correct columns in the table.

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bicycle	laptop

Sort IT Out **Answers**

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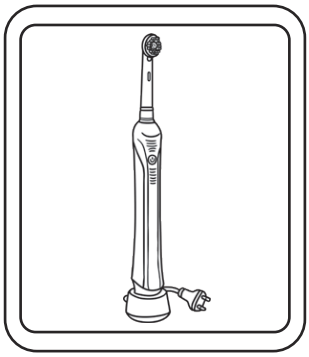 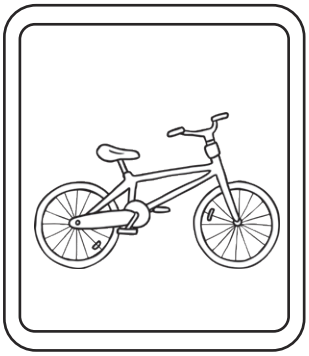 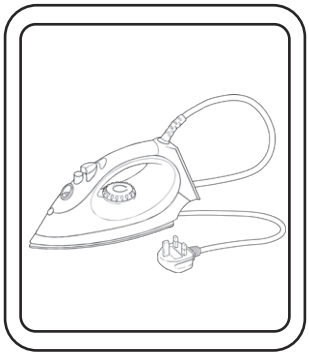	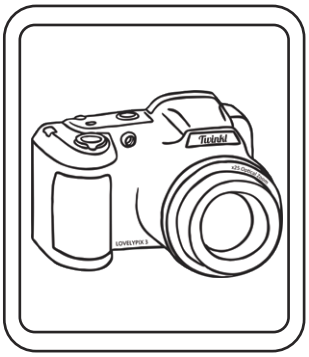 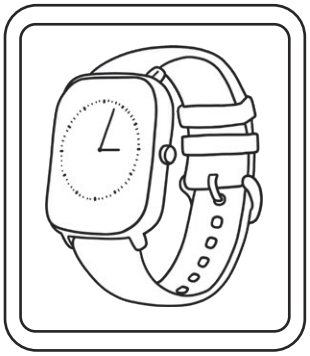

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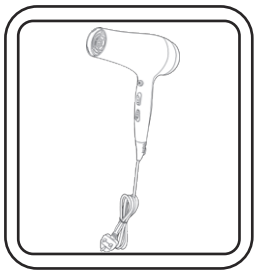 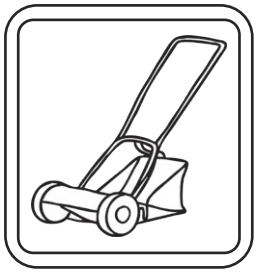 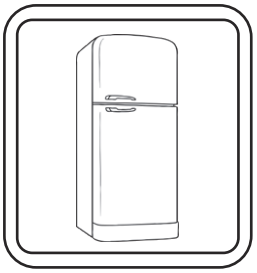 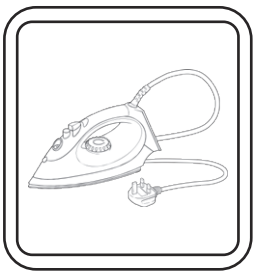 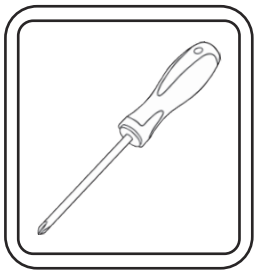	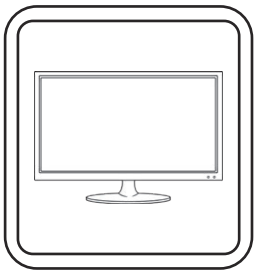 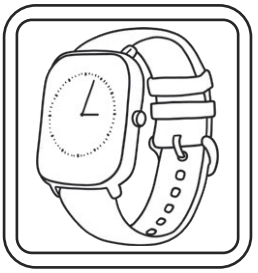 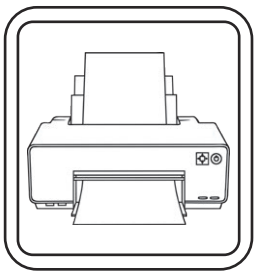 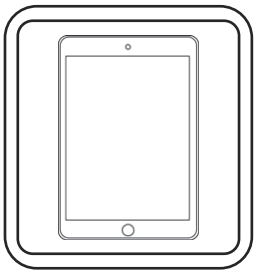 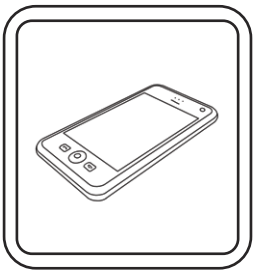

Sort IT Out **Answers**

To recognise different types of technology in the home and understand why they are used.

Think about examples of technology and information technology you might find in a home. Write them into the correct columns in the table.

Technology	Information Technology
bicycle	laptop
Pupils' own responses, such as:	**Pupils' own responses, such as:**
hairdryer	smartwatch
lawnmower	printer
electric toothbrush	tv
screwdriver	digital camera
fridge	mobile phone
iron	tablet
	laptop
	computer

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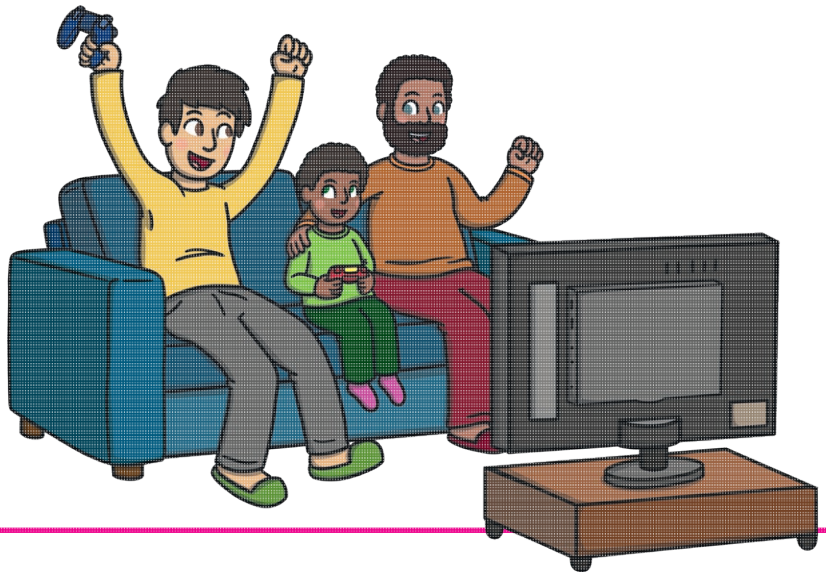

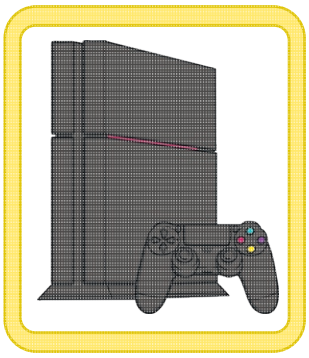

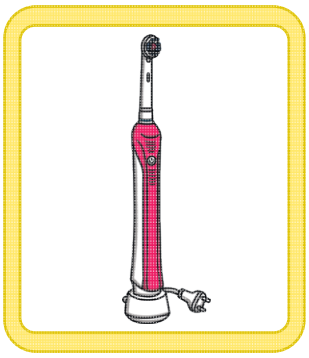

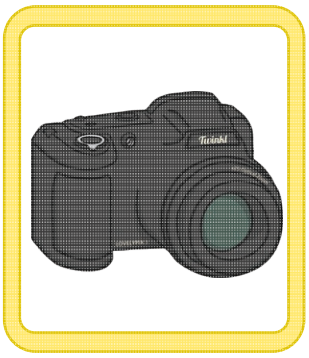

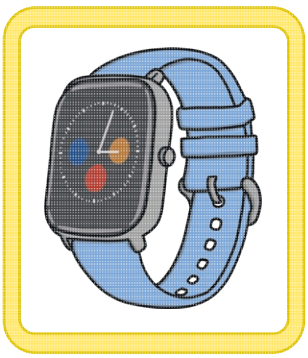

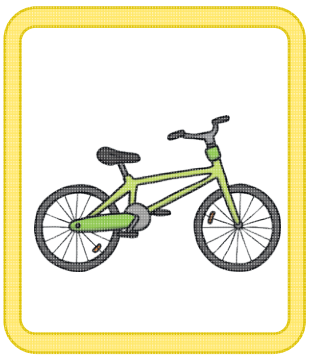

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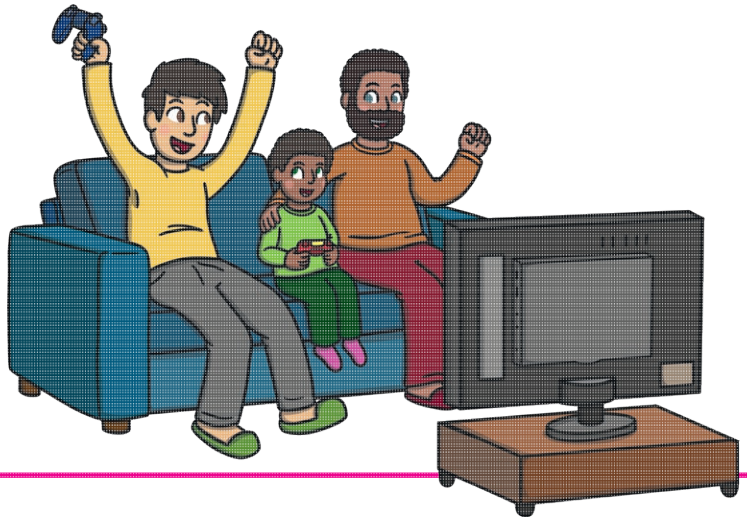

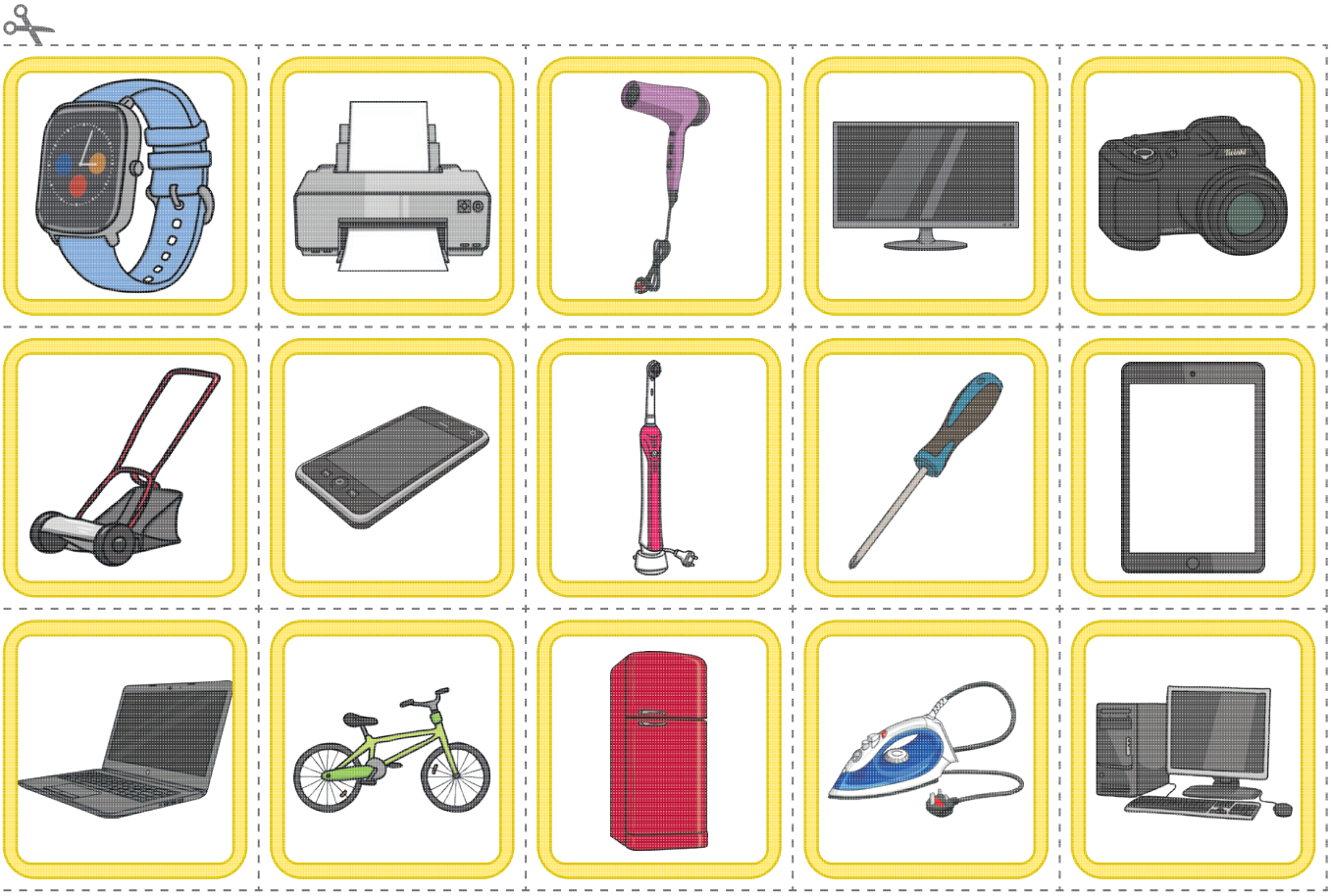

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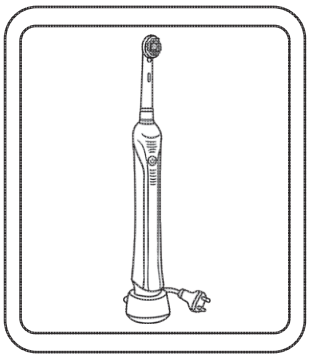 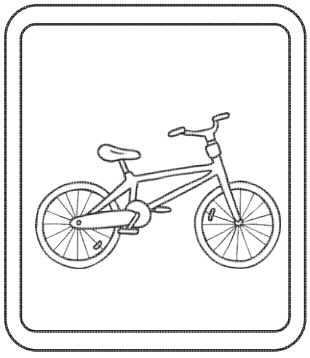 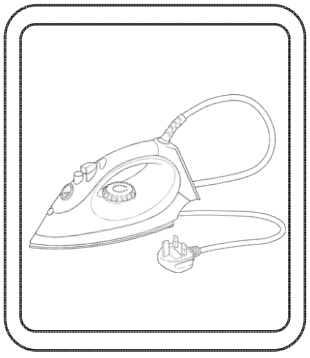	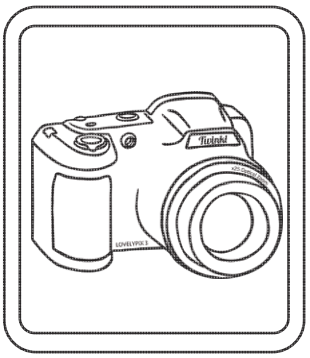 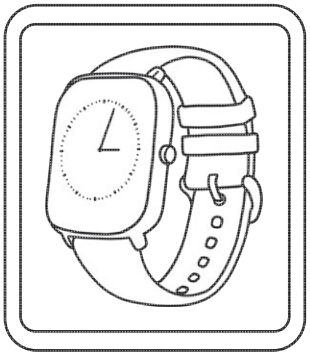 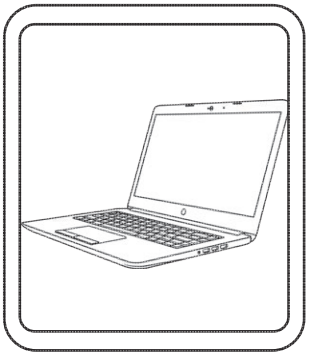

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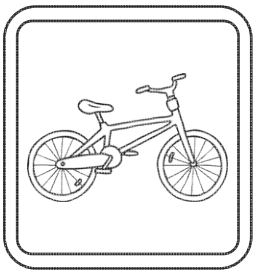 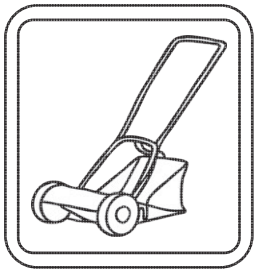 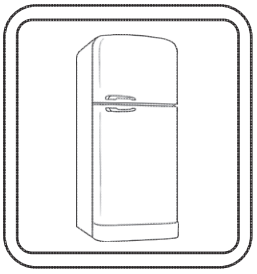 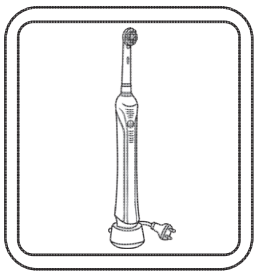 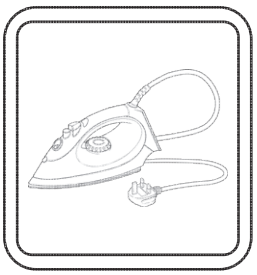 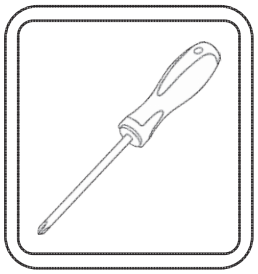	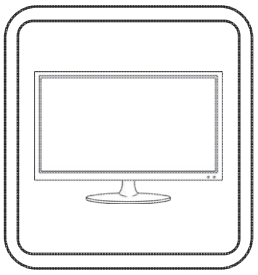 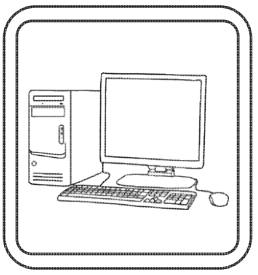 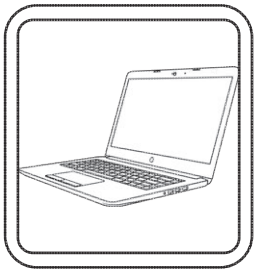 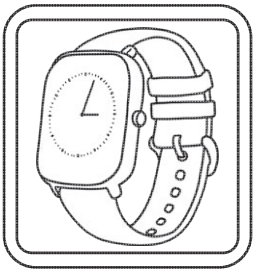 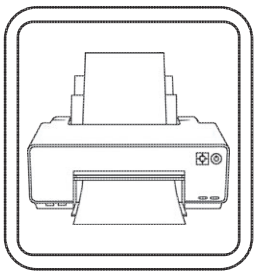 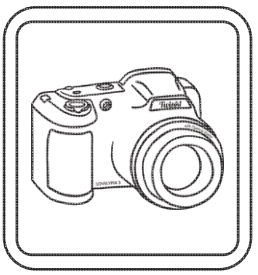 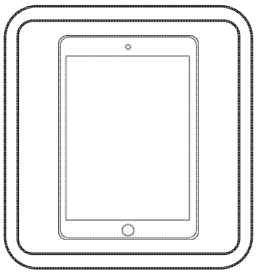 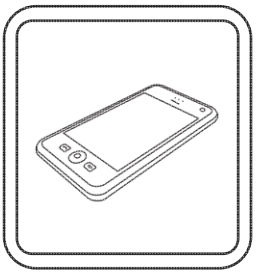

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Technology	Information Technology
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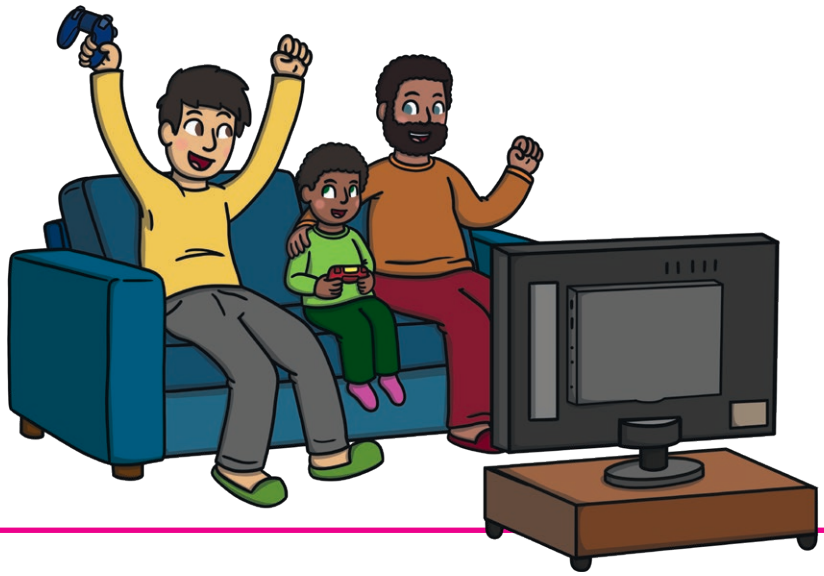

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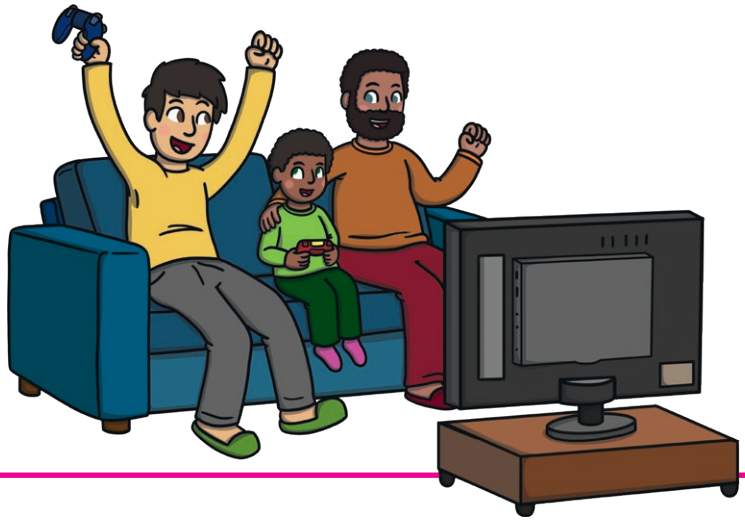

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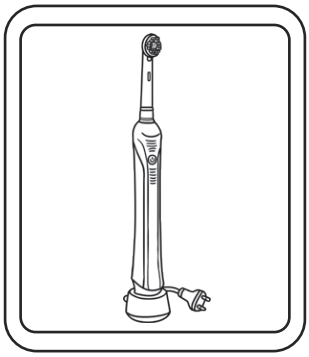 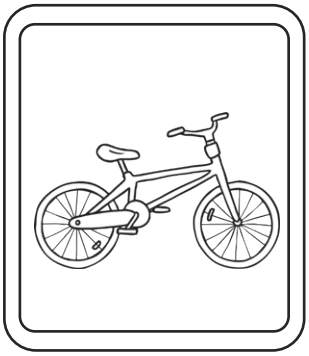 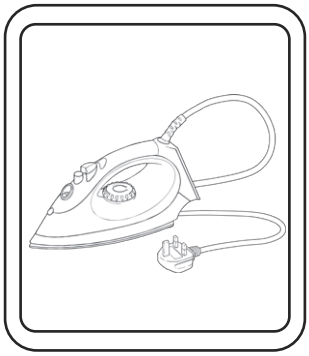	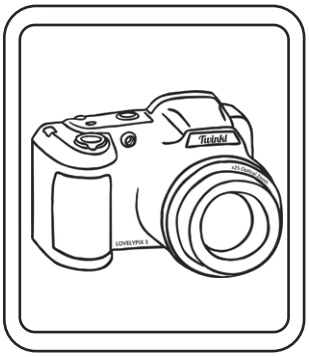 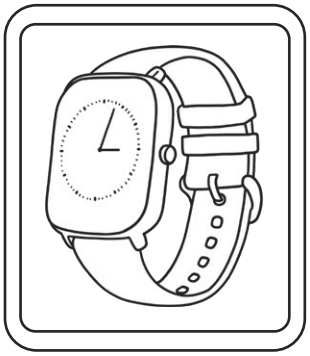

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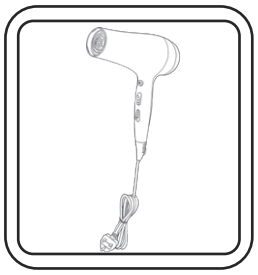 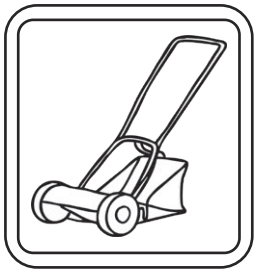 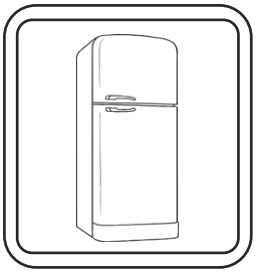 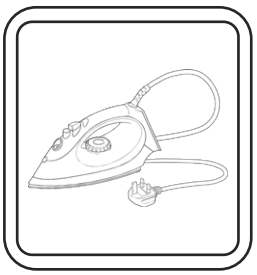 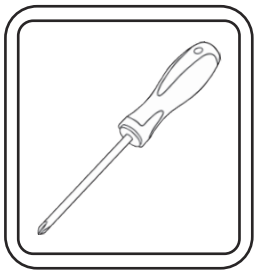	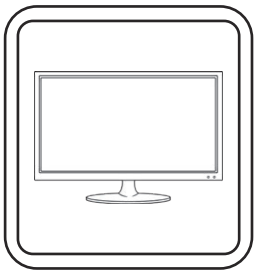 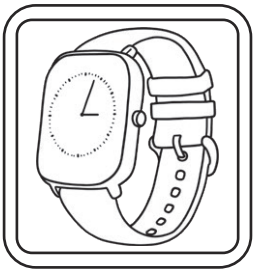 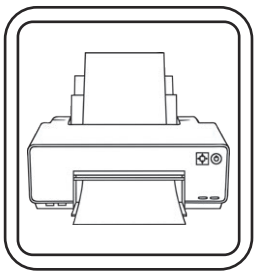 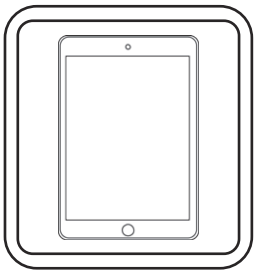 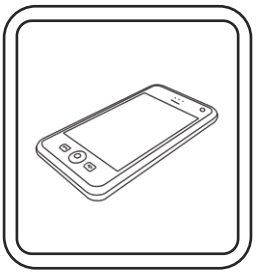

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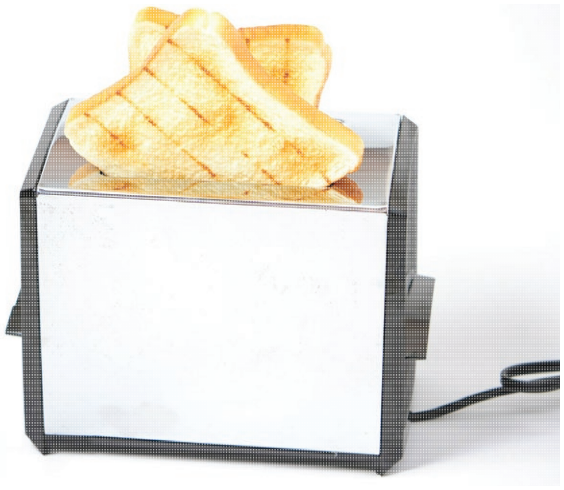
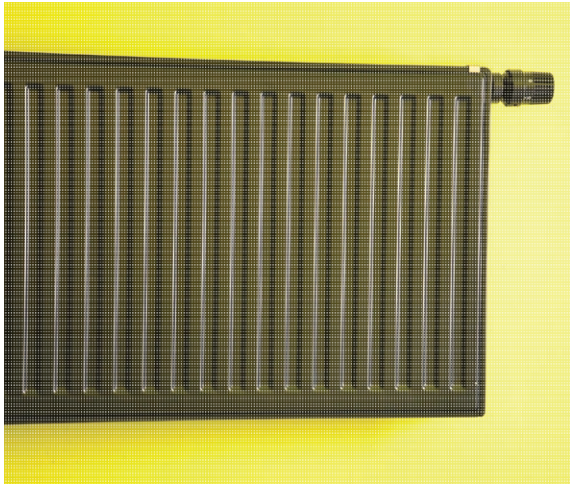
hairdryer



toaster

toilet



radiator

television

laptop

washing machine

food processor

tap

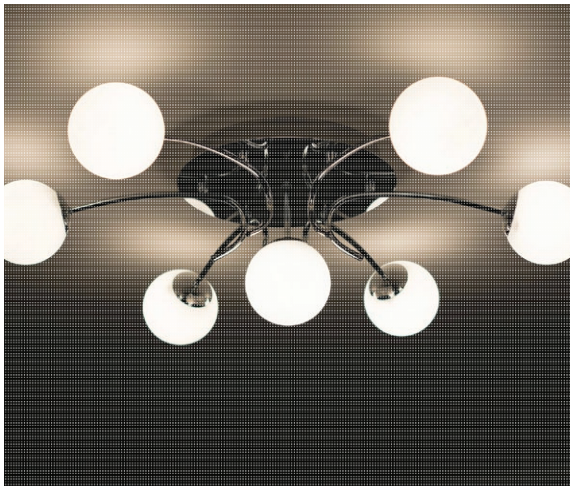
alarm clock

smartphone

computer

vacuum cleaner

electric toothbrush



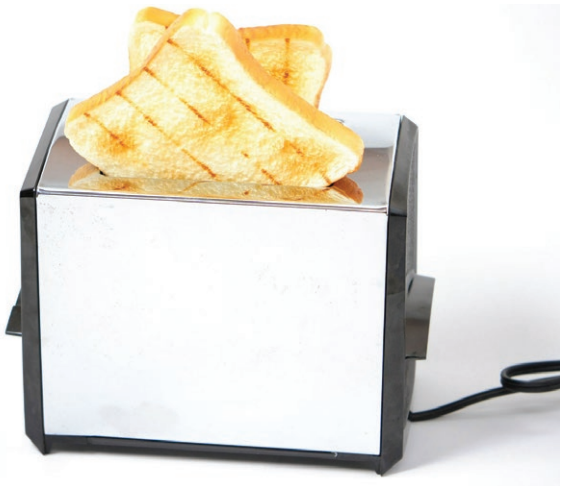
electric light

printer

kettle

electric razor

hairdryer



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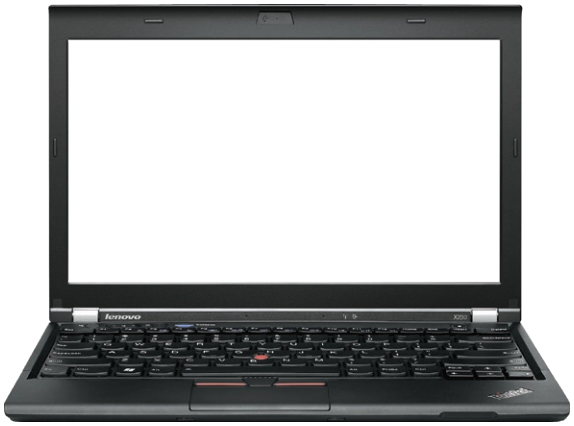

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Technology Around Us | Technology in the Home

To recognise different types of technology in the home and understand why they are used.		
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I can identify examples of information technology in the home.		
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