

Science

Science

Space and Technology

Technology



Genre	Comprehension Skill	Text Features	Science Content
Nonfiction	Retell	• Call Outs • Captions • Labels • Glossary	Technology

Scott Foresman Science 2.13



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by Wolf Shelton

Vocabulary

engine
invent
manufacture
meteorologist
satellite
technology
transportation
vaccine

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Technology

by Wolf Shelton





Technology

We can see technology all around us. People drive cars. They use computers. They watch TV. You probably have a refrigerator and a stove in your house. **Technology** means using science to help us solve problems.



A train is an invention that we use for traveling.



People use technology to invent things. **Invent** means to make something for the first time.

Inventions can be things we need. Bicycles and trains are inventions we need to travel. Inventions can be things we use for fun, such as a skateboard or a compact disc player.

skateboard





Transportation

Transportation is the way people or things move from place to place. Technology has changed transportation. It has made transportation faster and safer. The pictures below show one way transportation has changed.



In the past, people used horses for transportation. Today, we use cars, trains, boats, and planes.



Safety and Pollution

Seat belts and air bags have made car travel safer. New cars that make less pollution are being invented.



Many machines have engines. This car has an engine. An **engine** is a machine that does work or makes something move. Early trains used steam engines to move. Today, most machines use gasoline or electricity to move.





Technology Helps Us

Technology has helped people live healthier lives. Vaccines were invented because of technology. A **vaccine** is a medicine that can keep people from getting sick.

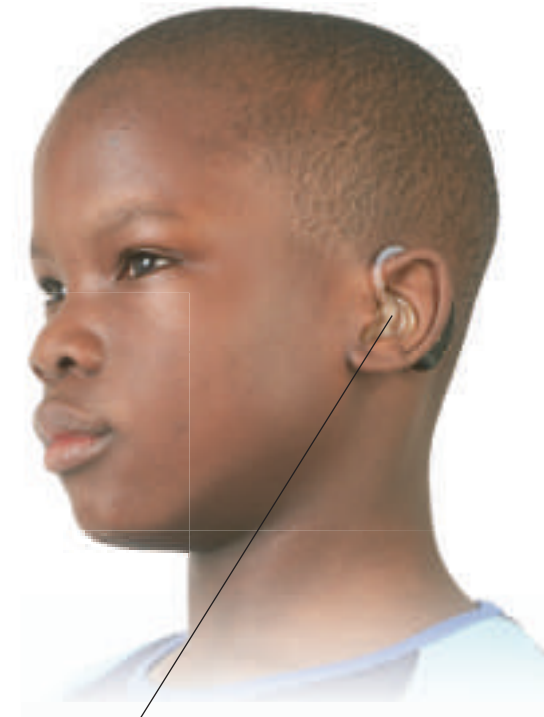
Maybe you received a vaccine for a disease called measles.



vaccine



This special computer helps people who are blind read and write.



hearing aid

Doctors use technology to help people hear, see, and walk. A hearing aid is an invention that helps people hear better.





Technology has helped people invent special tools. Doctors use special tools to see inside a person's body. This way they can tell how to help a sick person.

An X-ray machine helps doctors to see inside a person's body.



An X-ray machine is an invention that can take pictures of broken bones. The doctor can see the broken bones even though they are inside the person's body. Then the doctor can make a plan to fix these bones.





Communication

People communicate, or talk to each other, in many ways. Technology has changed the way people communicate.

People used to communicate only by mail. Technology helped people invent other ways to communicate.



mail



early telephone

cell phone



Telephones were invented in 1876. Technology has helped people make telephones smaller and better. Today, many people use cell phones or computers to communicate.



Computers were invented in 1946. The first computer filled one whole room! Today's computers are much smaller.





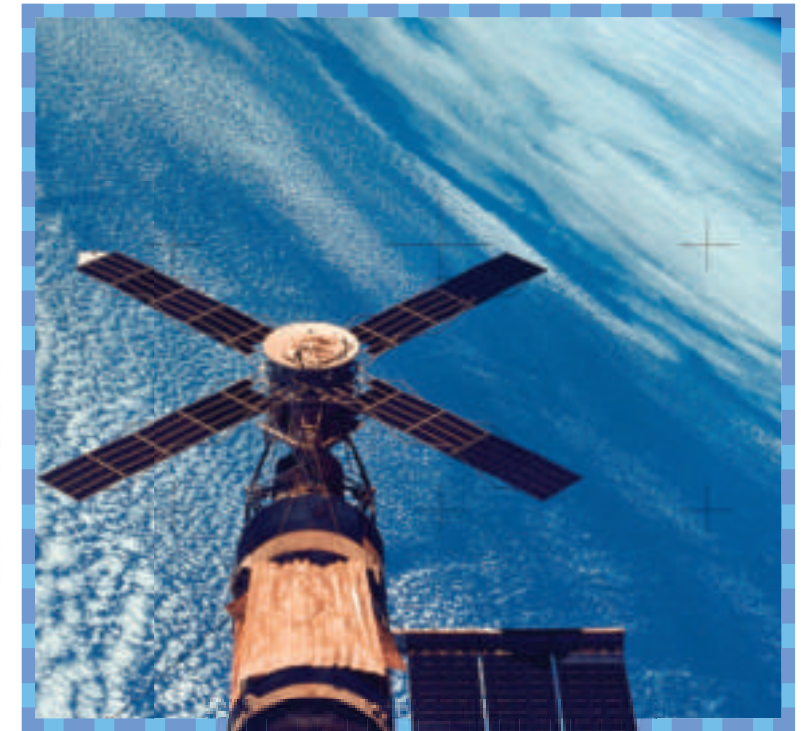
Technology can make fun hand-held video game machines.



Technology For Fun and Work

People can have fun with technology. Some games use technology. People can watch TV and take photos because of technology.

Technology can make our lives easier. This vacuum cleaner makes cleaning easier.



satellite



Technology helps people do work. A **meteorologist** is a person who studies weather using special machines. A **satellite** is an object that revolves around another object. This satellite sends pictures from space back to Earth. Meteorologists can learn about the weather from these pictures.





Making Things

Manufacture means to make things. People manufacture things by hand or by machine. Sometimes the materials used to manufacture things are found in nature. Sometimes they are made by people.

The pencils below were manufactured with the help of machines. They are made from wood. Wood is found in nature. The erasers are made of rubber. Most rubber is made by people.



Technology is all around us. It has changed the way people live. Pay attention to the tools you use for fun and for work. When do you use technology?

Roller coasters were invented using technology.

Glossary

engine	a machine that does work or makes something move
invent	to make something for the first time
manufacture	to make by hand or by machine
meteorologist	a person who studies weather
satellite	an object that revolves around another object
technology	using science to help us solve problems
transportation	the way people or things move from place to place
vaccine	a medicine that can help prevent a disease

What did you learn?

1. What are some examples of technology?
2. What is something that is manufactured using machines?
3. **Writing in Science** Technology is all around us. On your own sheet of paper, write about how you use technology.
4.  **Retell** Read page 13. In your own words retell how a meteorologist uses technology.

