

Science

Science

Space and Technology

Technology in Our World

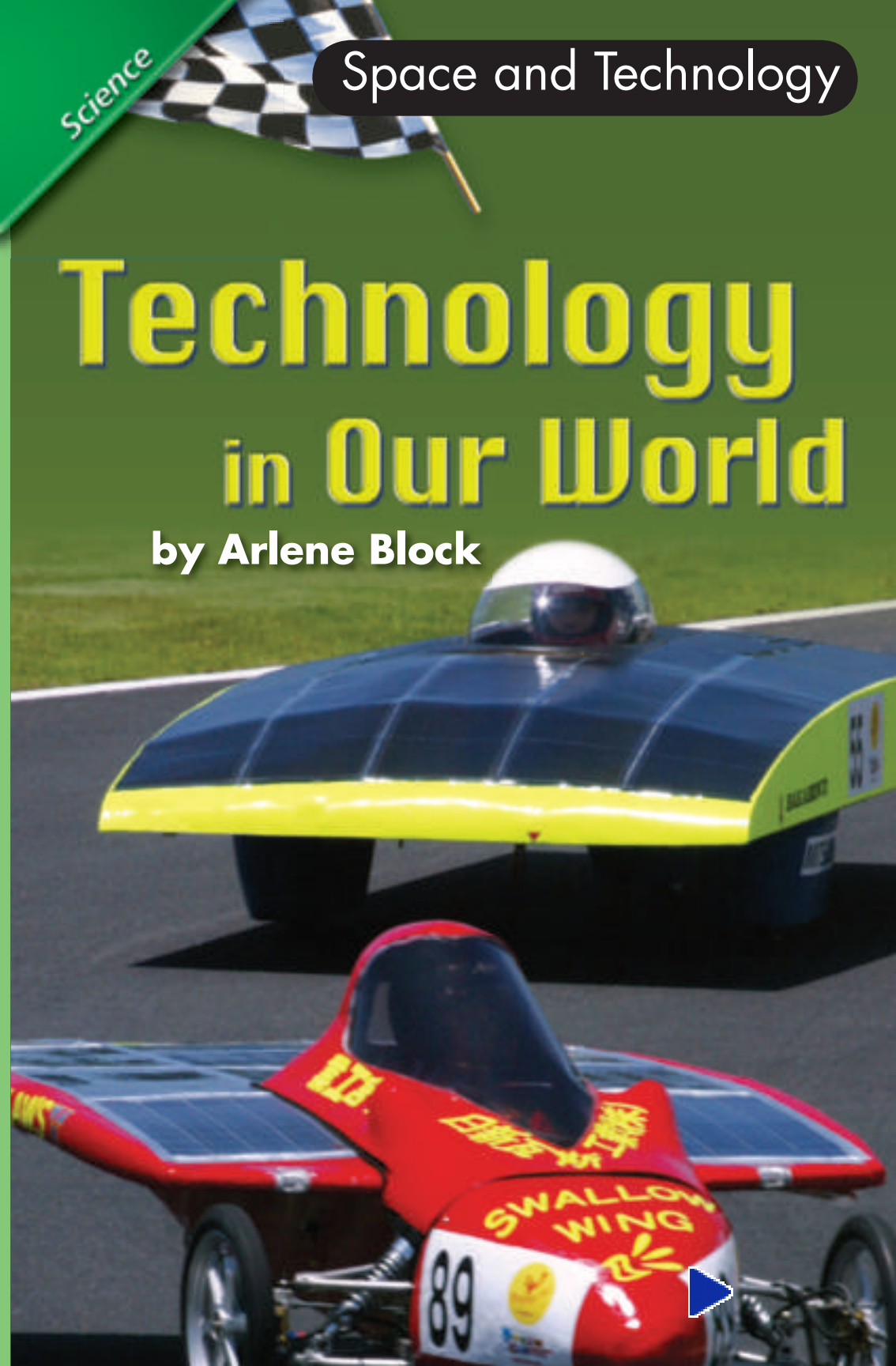
by Arlene Block

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

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Vocabulary

engine

invent

manufacture

meteorologist

satellite

technology

transportation

vaccine

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Technology in Our World

by **Arlene Block**





What is technology?

Technology means using science to solve problems.

People use computers.

People ride in cars.

We can do these things because of technology.



People use technology to invent things.

Invent means to make something new.

People invent things we need.

We need cars and airplanes to travel.

People invent things we want.

Computer games are things we want.





Changes in Transportation

People and things move from place to place.

This is called **transportation**.

Technology helps with transportation.

It helps us travel fast and far.



Transportation used to be slow. Now it is faster.



An **engine** is a machine that does work or makes something move.

Steam engines were used for transportation long ago.

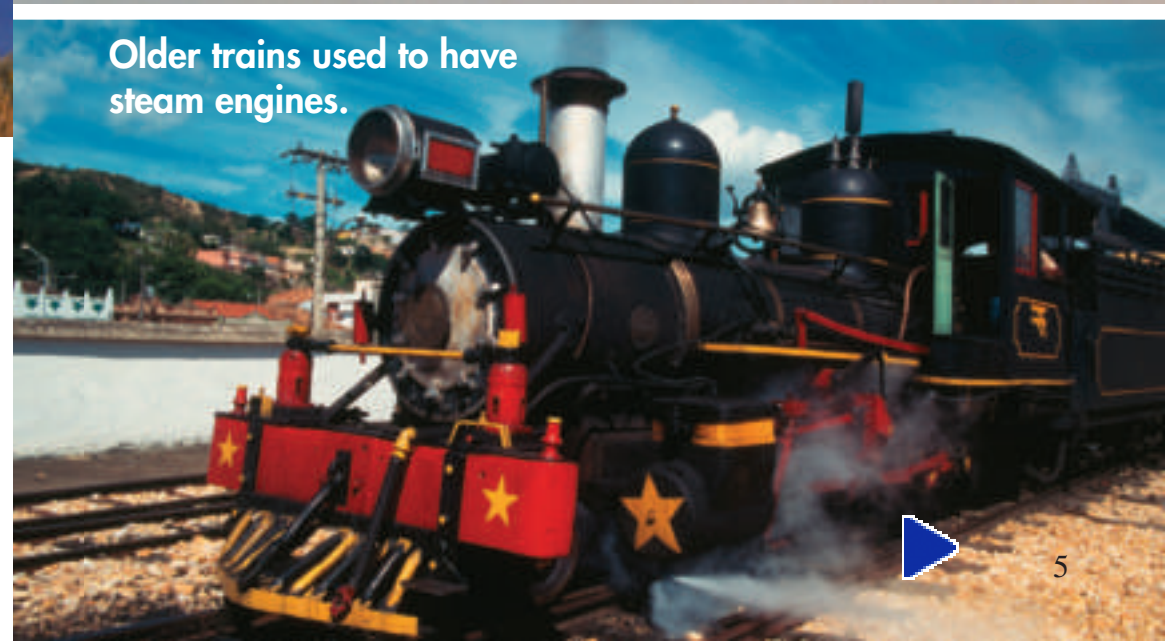
Now engines use gasoline or electricity to move trains, cars, boats, and planes.



Seat belts made travel safer.



Some cars use less gasoline and electricity. This keeps the air cleaner.



Older trains used to have steam engines.





How does technology help us?

Doctors use technology to help people.
A **vaccine** is a medicine.
Vaccines can keep us from getting sick.

Vaccine



Glasses and hearing aids can be made because of technology.
Glasses help people see.
Hearing aids help people hear.
Technology helped people make this man's leg.

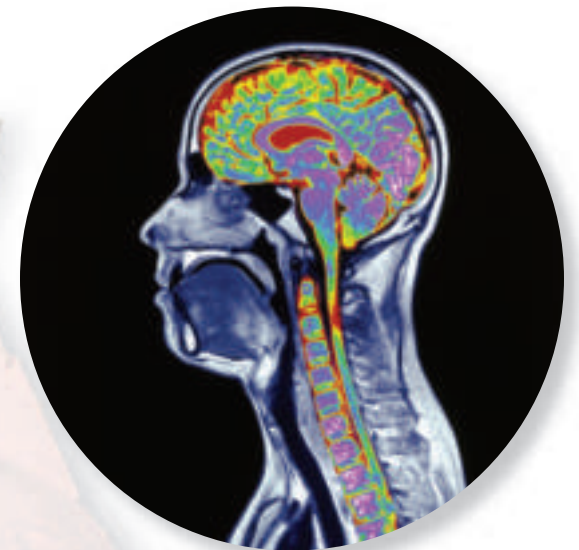




Doctors can see inside people with special tools.
The tools help doctors learn why people are sick.
Then doctors can help people get well.



Some tools are X rays, CAT scans, and MRIs.
These tools were invented because of technology.





How do we use technology to communicate?

Technology has changed how we communicate.

Some people communicate by telephone. The first telephones stayed on a wall. Today we can carry telephones with us.



Some people communicate by computer. The first computer was very big. It filled a whole room!

Today computers are smaller and faster. Technology can even help astronauts in space communicate with people on Earth.





What are some other ways we use technology?

People can have fun using technology.

People listen to music or play games on computers.

People do work using technology.



A **meteorologist** studies weather. Meteorologists get information from satellites.

A **satellite** is an object that moves around another object.

Pictures from satellites help meteorologists tell about the weather.





How do people make things?

People manufacture things we use.

Manufacture means to make by hand or machine.

People use different materials to manufacture different things.



Some materials are made by people.
A bicycle seat is made from plastic.
People make plastic.

Some materials come from nature.
This coat is made from wool.
Wool comes from sheep.



Glossary

engine

a machine that makes something move or do work

invent

to make something for the first time

manufacture

to make by hand or by machine

meteorologist

someone who studies weather

satellite

an object that goes around another object

technology

using science to solve problems

transportation

the way people or things move from place to place

vaccine

a medicine that can keep people from getting sick

What did you learn?

1. What are some ways people use technology?
2. What is a vaccine?
3. **Writing in Science** Technology helps meteorologists do their job. Write to tell how meteorologists use technology. Use words from the book as you write.
4.  **Retell** Read pages 14–15. In your own words tell what it means to manufacture something.

