

21st

CENTURY SKILLS

APP
Free App

With CD-Rom

MP3 +
Student
Digital
Materials

READING FUTURE

CHANGE

Starter

Dream

Discover

Develop

Connect

★ Change

Create

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1

Table of Contents

Unit 1	Hyperloop	/ 8
Unit 2	City Animals	/ 12
Unit 3	The Chunnel	/ 16
Unit 4	Manaus	/ 20
Unit 5	The Science of Sleep	/ 24
Unit 6	Control Your Dreams	/ 28
Unit 7	Sleeping Habits	/ 32
Unit 8	Testing Dreams	/ 36
Unit 9	First in Flight: The Wright Brothers	/ 40
Unit 10	Amelia Earhart	/ 44
Unit 11	Flying Around the World	/ 48
Unit 12	Solar Flight History	/ 52
Unit 13	Smart Sportswear	/ 56
Unit 14	Water Safety	/ 60
Unit 15	Dodgeball	/ 64
Unit 16	Golden Time that Saves Lives	/ 68

Scope & Sequence

Subject	Unit	Title	Word Count	Reading Skill	Vocabulary Skill
GEOGRAPHY	1	Hyperloop	155	Main Idea & Details	inventor actor -or visitor collector
	2	City Animals	155	Main Idea & Details	almost alone al- always almighty
	3	The Chunnel	156	Sequencing	possible visible -ible incredible flexible
	4	Manaus	159	Summarizing	rapidly brightly -ly perfectly easily
SCIENCE	5	The Science of Sleep	158	Classifying	strengthen sweeten -en fasten enlighten
	6	Control Your Dreams	152	Sequencing	delightful wonderful -ful useful careful
	7	Sleeping Habits	159	Main Idea & Details	performance attendance -ance appearance entrance
	8	Testing Dreams	159	Cause & Effect	interview interact inter- internet international
HISTORY	9	First in Flight: The Wright Brothers	159	Summarizing	Time Expressions second hour minute day week
	10	Amelia Earhart	159	Sequencing	Synonyms female: woman aviation: flight voyage: trip
	11	Flying Around the World	158	Sequencing	mechanical accidental -al global personal
	12	Solar Flight History	149	Cause & Effect	renewable rechargeable -able photographable wearable
PHYSICAL EDUCATION	13	Smart Sportswear	160	Cause & Effect	swimmer singer -er teacher writer
	14	Water Safety	159	Problem & Solution	unsafe unhappy un- unimportant unnatural
	15	Dodgeball	158	Main Idea & Details	different apparent -ent, -ant excellent pleasant
	16	Golden Time that Saves Lives	159	Sequencing	golden wooden woolen -en

Vocabulary				Project	21 st Century Skills	
apart float	passenger tube	magnet inventor	pressure billion	Design Your Own Transportation	Critical Thinking	Creativity
southern plenty	moose dumpster	comfortable branch	wild mind	Animals in the City	Critical Thinking	
Europe strait	channel tunnel	northern allow	distance possible	Traveling Around	Communication	
South America rapidly	reason center	rubber business	goods electronic	Rainforest Tours	Critical Thinking	Communication
cycle refreshed	stage muscle	get rid of immune system	information strengthen	Staying Healthy	Critical Thinking	
control signal	whole superhero	sense ideal	temperature delightful	Dreams You Want to Have	Critical Thinking	Communication
lack habit	concentrate exercise	enable schedule	period performance	Sleeping Enough?	Collaboration	Communication
affect interview	experiment rotten	rose terrible	agree avoid	Things for Good or Bad Dreams	Critical Thinking	Creativity
receive crash	helicopter spend	interested ready	engine land	Never Give Up!	Critical Thinking	Creativity
pioneer navigator	aviation return	female island	voyage search	Famous Women	Critical Thinking	Communication
aircraft mission	brief original	advance mechanical	army globe	Find a Pioneer	Critical Thinking	Communication
solar condition	intend delay	renewable determined	technical successfully	Think About Solar Power	Critical Thinking	Collaboration
professional goggles	athlete efficient	practice coach	competitive rest	Design "Smart" Sportswear	Critical Thinking	Collaboration
risk drown	safe sink	tip survive	panic calm	Staying Calm, Saving Lives	Critical Thinking	Collaboration
aim field	simple court	eliminate even	dodge odd	Interesting Indoor Games	Collaboration	Communication
beat flat	situation weight	chest release	compression repeat	Saving Lives	Critical Thinking	Communication

How to Use

Student Book

WARM-UP

A short reading and questions with an impactful image helps students activate their background knowledge and approach the topic.

NEW WORDS

Learn the meaning of important vocabulary with pictures.



READING

Reading the passage, students learn new information related to school subjects. New words are bolded in the passage.

The images help students understand the text and give more information about the topic.

VOCABULARY SKILLS & READING SKILLS

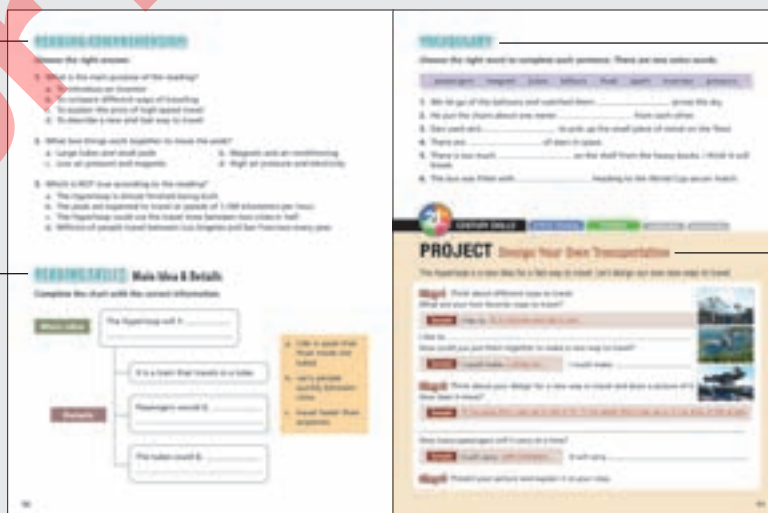
Vocabulary Skills and Reading Skills enhance students' understanding of the passage.

READING COMPREHENSION

Comprehension questions ensure understanding.

READING SKILLS

Students use different graphic organizers to practice reading skills.



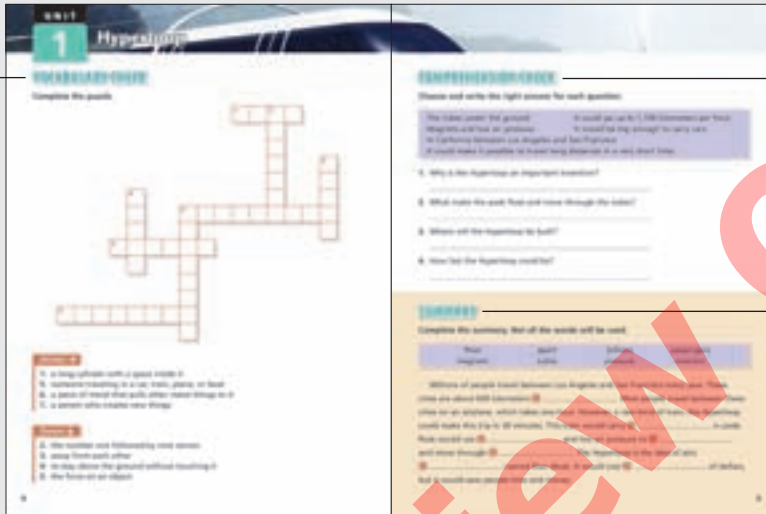
VOCABULARY

Students learn the meaning and use of each word.

PROJECT

Project uses the topic of the unit and allows students to think of further steps. Students can develop 21st century skills through the Project.

Workbook



VOCABULARY CHECK

Vocabulary Check gets students to recall the meaning, usage, and spelling of vocabulary.

COMPREHENSION CHECK

Comprehension Check gets students to recall the passage and think more deeply.

SUMMARY

Students summarize information from the passage. By completing the summary, they check their understanding of the passage and vocabulary together.

For Review Only



Scan and find the tracks.

Hyperloop

WARM-UP

Many people travel using public transportation like airplanes, buses, and high-speed trains. People want transportation to be better, faster, and cheaper.

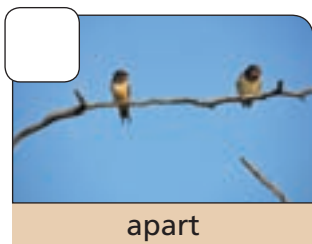
Answer the questions.

- What are some ways people travel in your country?
- What is the fastest transportation in your country?

NEW WORDS



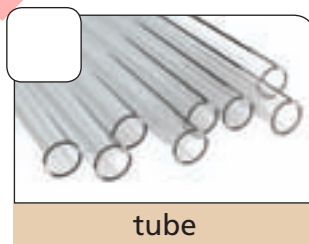
Listen and match the word with its meaning.



apart



inventor



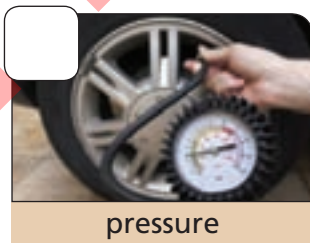
tube



passenger



magnet



pressure



float



billion

1. away from each other
2. the force on an object
3. a piece of metal that pulls other metal things to it
4. someone traveling in a car, train, plane, or boat
5. to stay above the ground without touching it
6. the number one followed by nine zeroes
7. a long cylinder with a space inside it
8. a person who creates new things

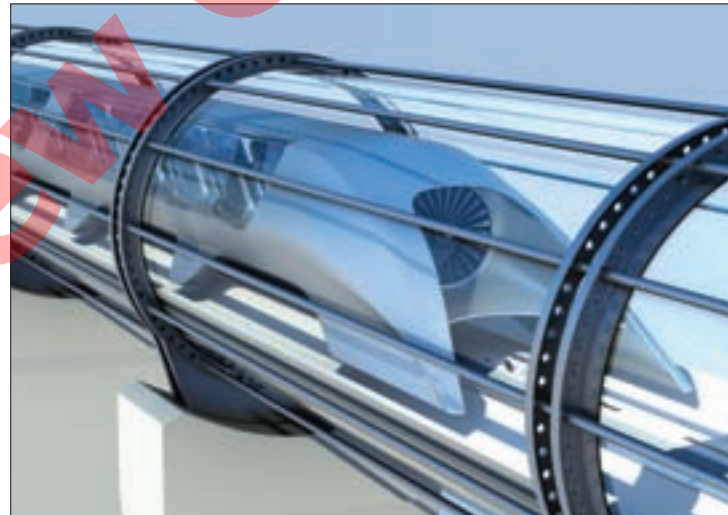
Listen and read.

Hyperloop

Los Angeles and San Francisco are cities in the state of California, in the U.S. They are about 650 kilometers **apart**. Millions of people travel between these cities every year. Today, the fastest way to travel between them is by **airplane**. It is about one hour. However, a new idea could make this trip shorter.

The Hyperloop is a kind of train. It could make the 650-kilometer trip in only thirty minutes. It could go 1,100 kilometers per hour, which is faster than an airplane. It would carry **passengers** in cars called pods. Pods would use **magnets** and low air **pressure** to **float** and move through **tubes**. This is how the Hyperloop would be able to go 650 kilometers in only thirty minutes.

The Hyperloop is still just an idea. It's the idea of an **inventor** named Elon Musk. It would cost **billions** of dollars, but it would save many people a lot of time.



Reading Time: ____m ____s / 155 words

VOCABULARY SKILLS

The suffix **-or** is used when people or things do what is expressed by the verb form of the root word.

invent+or → inventor

- **visitor**: someone who visits a person or place
- **actor**: someone who acts in films, plays, or television programs
- **collector**: someone who collects things

READING SKILLS

Main Idea & Details

The main idea tells what the reading is about. It is usually near the beginning of the reading. The details give more information about the main idea.

- Underline the main idea of the reading passage.
- Underline three details.

READING COMPREHENSION

Choose the right answer.

1. What is the main purpose of the reading?
 - a. To introduce an inventor
 - b. To compare different ways of traveling
 - c. To explain the price of high-speed travel
 - d. To describe a new and fast way to travel
2. What two things work together to move the pods?
 - a. Large tubes and small pods
 - b. Magnets and air conditioning
 - c. Low air pressure and magnets
 - d. High air pressure and electricity
3. Which is NOT true according to the reading?
 - a. The Hyperloop is almost finished being built.
 - b. The pods are expected to travel at speeds of 1,100 kilometers per hour.
 - c. The Hyperloop could cut the travel time between two cities in half.
 - d. Millions of people travel between Los Angeles and San Francisco every year.

READING SKILLS Main Idea & Details

Complete the chart with the correct information.

Main Idea The Hyperloop will 1. _____
_____.

Details

- It is a train that travels in a tube.
- Passengers would 2. _____
_____.
- The tubes could 3. _____
_____.

a. ride in pods that float inside the tubes
b. carry people quickly between cities
c. travel faster than airplanes

VOCABULARY

Choose the right word to complete each sentence. There are two extra words.

passengers magnet tubes billions float apart inventor pressure

1. We let go of the balloons and watched them _____ across the sky.
2. He put the chairs about one meter _____ from each other.
3. Dan used a(n) _____ to pick up the small piece of metal on the floor.
4. There are _____ of stars in space.
5. There is too much _____ on the shelf from the heavy books. I think it will break.
6. The bus was filled with _____ heading to the World Cup soccer match.



CENTURY SKILLS

Critical Thinking

Creativity

Collaboration

Communication

PROJECT Design Your Own Transportation

The Hyperloop is a new idea for a fast way to travel. Let's design our own new ways to travel.

Step 1 Think about different ways to travel.

What are your two favorite ways to travel?

Sample I like to fly in airplanes and ride in cars.

I like to _____.

How could you put them together to make a new way to travel?

Sample I could make a flying car. I could make _____.



Step 2 Think about your design for a new way to travel and draw a picture of it.

How does it move?

Sample It has wings that come out to help it fly. It has wheels that come out so it can drive on the ground.

How many passengers will it carry at a time?

Sample It will carry eight passengers. It will carry _____.

Step 3 Present your picture and explain it to your class.



READING FUTURE

CHANGE

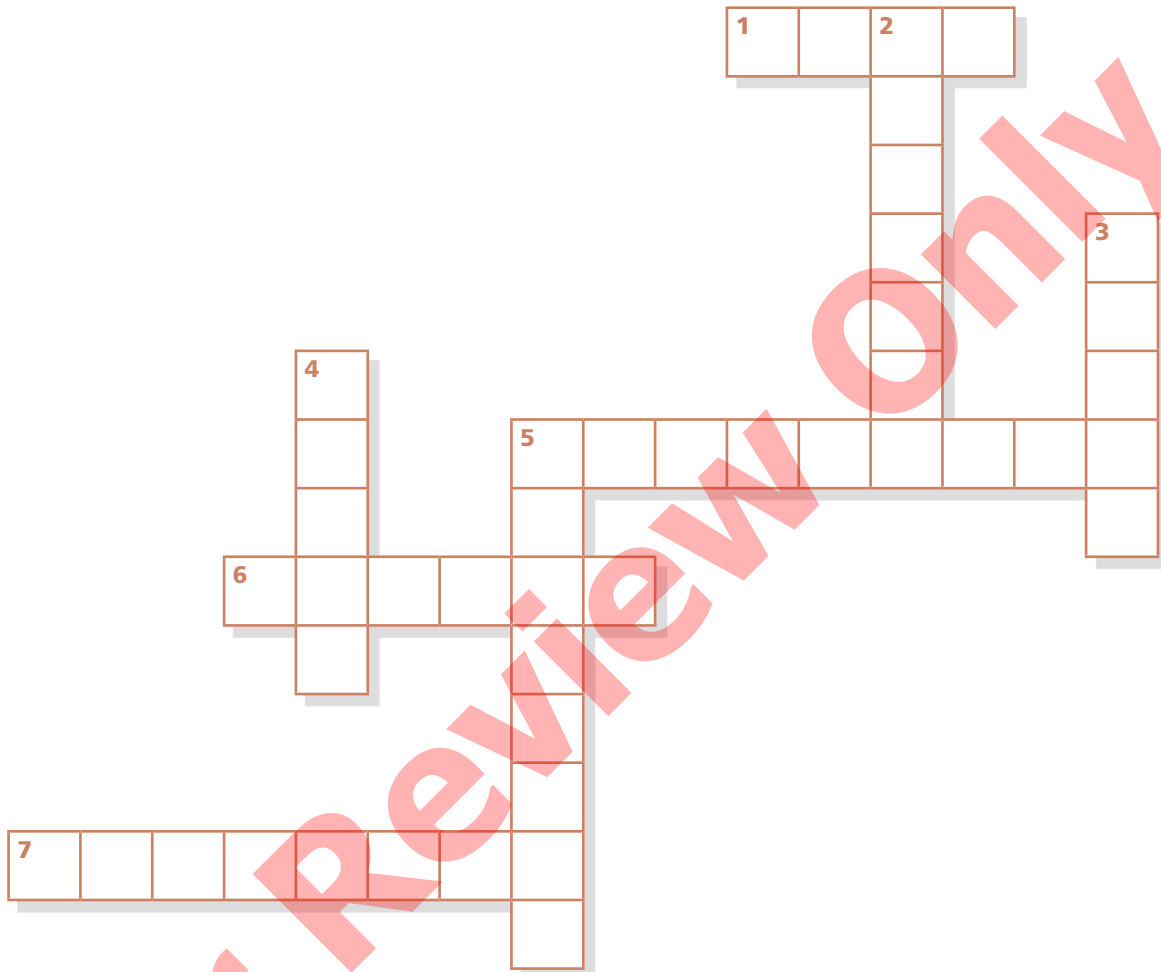
Workbook

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1

VOCABULARY CHECK

Complete the puzzle.



Across →

1. a long cylinder with a space inside it
5. someone traveling in a car, train, plane, or boat
6. a piece of metal that pulls other metal things to it
7. a person who creates new things

Down ↓

2. the number one followed by nine zeroes
3. away from each other
4. to stay above the ground without touching it
5. the force on an object

COMPREHENSION CHECK

Choose and write the right answer for each question.

The tubes under the ground
Magnets and low air pressure

It could go up to 1,100 kilometers per hour.
It would be big enough to carry cars.

In California between Los Angeles and San Francisco

It could make it possible to travel long distances in a very short time.

1. Why is the Hyperloop an important invention?

2. What make the pods float and move through the tubes?

3. Where will the Hyperloop be built?

4. How fast the Hyperloop could be?

SUMMARY

Complete the summary. Not all the words will be used.

float
magnets

apart
tubes

billions
pressure

passengers
inventor

Millions of people travel between Los Angeles and San Francisco every year. These cities are about 650 kilometers **1** _____. Most people travel between these cities on an airplane, which takes one hour. However, a new kind of train, the Hyperloop could make this trip in 30 minutes. This train would carry **2** _____ in pods. Pods would use **3** _____ and low air pressure to **4** _____ and move through **5** _____. The Hyperloop is the idea of a(n) **6** _____ named Elon Musk. It would cost **7** _____ of dollars, but it would save people time and money.