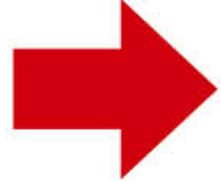




Are You Ready?

Listen to me.



Eyes on me.



51Talk
无忧英语

INTENSIVE READING

Classic English Junior Level 6 - Unit 10 Transportation

Lesson

7

How Do Bicycle Gears Change Speeds?



Lesson Structure

1	Learning Objective
2	Warm-up
3	Comprehension Skill
4	Intensive Reading
5	Writing Project
6	Wrap-up

You are going to:

Review the article called

How Do Bicycle Gears Change Speeds?

Learn the comprehension skill

Main idea and details

Tongue twister.

Try your best to read the following tongue twister as fast as you can.

**A bloke's back bike
brake broke.**





Let's Go!





The **main idea** is what the text is mostly about.

The following pictures are from an article. Use the picture clues to figure out the main idea of it.



The main idea of this article is _____.

Comprehension Skill

03:00



Details give important information about the main idea.

Tick the correct details for the main idea.

Main idea: I love playing football most of all.

1. I am having a hard time on Christmas Day.
2. I practice football a lot.
3. I love my Teddy Bear.
4. I roll the ball to each player carefully.
5. Sometimes I do puzzles.

Intensive Reading—Comprehension

02:00

Read the passage.

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How many speeds do bikes have?	4
What are gears?.....	5
What are cogs?.....	7
What does shifting mean?	9
How do we use gears?.....	11
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Do you know how many new bicycles roll into the world every year? About 100 million!

How many speeds do bikes have?

How do bicycle gears change **speeds**? Generally, most bikes have one speed, while others may have 1, 3, 18, 21, 24, or as many as 27 speeds.

speed *n*

how fast something moves



Intensive Reading—Comprehension

03:00

Read the passage and do the activity.

What are gears?

You can consider **gears** as the same thing as speeds—a bike with 3 gears is a 3-speed bike.

Lower numbers are the low gears and higher numbers are the high gears. The lower the number, the easier the gear is.

That's pretty easy to understand, right?



If you have an 18-speed bike, how many gears does your bike have?



_____.

Intensive Reading—Comprehension

02:00

Read the passage and do the activity.

What are cogs?

Bikes with more than one speed have seven to eleven **cogs** on the back wheel. Cogs are made of metal and have teeth that hold a bike's chain in place.



What is the main idea of this paragraph?

- A. How do bicycle gears change speeds?
- B. What are cogs?
- C. How do you ride a bicycle?

Intensive Reading—Comprehension

03:00

Read the passage and do the activity.

- 1 What does shifting mean?
- 2 Shifting means going from one gear to another.
- 3 A rider shifts gears by changing the **shifter** on the **handlebars**.
- 4 That moves the chain from one cog to another.
- 5 That makes pedaling easier or harder.
- 6 Shifting down means going to a lower gear.
- 7 Shifting up means going to a higher gear.



Can you tell the main idea and details of this page? Put the numbers in the chart.

Main idea: _____

Details: _____

Intensive Reading—Comprehension

03:00

Read the passage and do the activity.

How do we use gears?

If you're going uphill and it's too hard for you, shift down.

If your legs are **spinning** the **pedals** way too fast, shift up.

Imagine you are riding along a beautiful flat path on a three-speed bike in second gear. Then you come to a high hill. Halfway up, you are having a difficult time pedaling. What should you do now? Shift down into first gear, of course. Pedaling suddenly becomes much easier!

Index

shift down, 10

shifter, 9

shift up, 10

Grammar

Sometimes we use two or more **adjectives** together. Opinion adjectives usually go before fact adjectives.



Put the words in the correct order.

1. blue eyes big
2. delicious a hot soup





Activity Time!



Writing Project—Preparation

02:00

Think and say.



1. What is the passage mainly about?

It's mainly about ...



2. What parts are working when bicycle gears change speeds?

There are many parts working, like ...



3. Which part interests you the most? Can you recall any details?

I'm interested in ...



Writing Project

03:00

Complete the following chart on how bike gears change speeds.

Main Idea

Details



1. You can consider gear as the same as ...



2. Cogs are made of ... and have ...



3. Shifting means ...



4. Shift down/up when you're ...

Wrap-up**01:00**

I Can Do It

Intensive Reading

How Do Bicycle
Gears Change
Speeds?

Comprehension Skill

Main idea and
details





See You Soon!

51TALK

