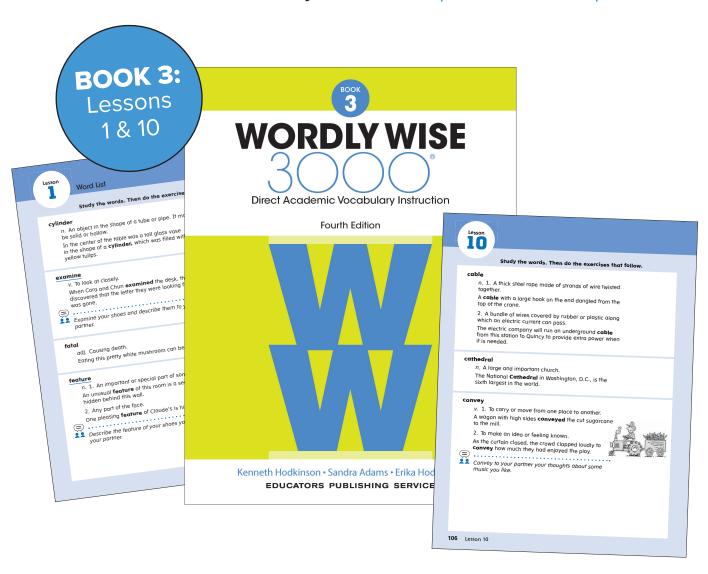
4th Edition

WORDLY WISE 3000°

SAMPLE LESSONS

Direct Academic Vocabulary Instruction | Grades K–12 | RTI 🛦🛦





Word List

Study the words. Then do the exercises that follow.

cylinder

n. An object in the shape of a tube or pipe. It may be solid or hollow.

In the center of the table was a tall glass vase in the shape of a **cylinder**, which was filled with yellow tulips.

examine

v. To look at closely.

When Cora and Chun **examined** the desk, they discovered that the letter they were looking for was gone.





Examine your shoes and describe them to your partner.

fatal

adj. Causing death.

Eating this pretty white mushroom can be fatal.

feature

n. 1. An important or special part of something.

An unusual **feature** of this room is a secret stairway hidden behind this wall.

2. Any part of the face.

One pleasing **feature** of Claude's is his warm smile.





Describe the feature of your shoes you like best to your partner.

grasp

v. 1. To take hold of something tightly with the hands.Tina grasped the bars on the gym set and pulled

herself up.

2. To understand something.

.

After we **grasped** the directions, it was easy to do the puzzle.



Tell your partner something you have learned that was easy for you to grasp.



jet

n. 1. A stream of liquid or gas that is forced at high speed through a small opening.

The firefighters directed **jets** of water from the pump truck to the burning house.

2. An airplane that is powered by a jet engine.

The pilot told us what kind of **jet** would be carrying us to the West Coast.



marine

adj. Having to do with the ocean or with ships and boats.

The largest **marine** creature is the blue whale.



Tell your partner about your favorite marine animal.

scar

n. A mark on the skin that is left after a cut or other wound has healed.

The **scar** on Helen's knee is from the cut she got when she fell off her bicycle.

tentacle

n. A long, thin part that grows out from the head of some sea animals. They use it to hold things or to move from place to place.

The cuttlefish wiggled its **tentacles** to bring the small fish closer.

vessel

n. 1. A ship or large boat.

All the passengers aboard the **vessel** hoped to see a whale or dolphin during the trip.

2. Anything hollow that can be used to hold liquids.

A clay **vessel** filled with lemonade rested on the picnic table in the backyard.



Discuss with your partner what you could pour from a vessel.

Words and Their Meanings

Look at the group of words next to the number. Then circle the letter next to the word that has the same meaning.

- 1 a stream of liquid under pressure
 - (a) tentacle (b) feature (c) jet

- (d) scar

- 2 a tube-shaped object
 - (a) cylinder
- (b) vessel (c) scar
- (d) tentacle

- 3 a mark left after a wound heals
- (a) feature (b) scar (c) tentacle (d) grasp

	(a) tentacle (b) vessel		(c) foature	(d) marine				
	(u) lemucie	(b) vessei	(c) reditire	(d) marme				
	5 a large boat	or ship						
	(a) fatal	(b) marine	(c) tentacle	(d) vessel				
		word next to the						
	next to the	group of words th	at nas the same n	neaning.				
	6 examine							
	(a) look at c	arefully	(b) return to					
	(c) stay awa	y from	(d) put away					
	7 marine							
	(a) having to do with sports		(b) having to do with being sick					
	_	ving to do with horses (d) having to do with the o		o with the ocean				
	(a) a baby o	ctopus	(b) a hairy spic	ler				
	•	nin part growing	(d) a figure wit					
	_	ne sea animals	_	_				
	9 grasp							
cylinder	(a) let go of		(b) understand					
examine	(c) move in	circles	(d) cry out					
fatal								
feature	10 fatal							
grasp	(a) helpless		(b) hard to und	lerstand				
jet	(c) causing (death	(d) being caref	ul				
marine								
scar								
tentacle								
vessel								

4

Lesson 1

Just the Right Word

Replace each phrase in bold with a single word (or form of the word) from the word list.

- 1 He has a **mark on the skin** left by a fall when he was a child.
- 2 The machinist looked at each object in the shape of a pipe.
- 3 Kelly always reads the **having to do with the ocean** report before she sets sail.
- 4 New to crutches, Lin **took hold tightly of** each one firmly.
- 5 His mistake, not causing death but serious, made him upset.

1C

Applying Meanings

Circle the letter next to the correct answer.

- 1 Which of the following can be **fatal?**
 - (a) a smile

(b) a car accident

(c) a number

- (d) an award
- 2 Where would you not expect to find **marine** animals?
 - (a) in an ocean

(b) in a sea

(c) in a forest

- (d) in an aquarium
- 3 Which would be the best way to **examine** a planet?
 - (a) build an arch

- (b) climb a tower
- (c) turn on a channel
- (d) look through a telescope

4 Which of the following might leave a scar?

(a) a ghost

(b) a lesson

(c) a fall

(d) a song

5 Which of the following can a person grasp?

(a) ideas

(b) wind

(c) smells

(d) smoke



Word Study: Nouns and Verbs

A noun names a person, place, or thing. Underline the nouns in the sentences.

- 1 Squid have eight arms and two tentacles.
- 2 They can shoot out jets of ink if they are in danger.

A verb tells what action is happening or what someone or something is doing. Underline the verbs in the sentences.

- 3 We launched our new canoe today.
- 4 We steered the canoe with paddles.

Vocabulary in Context

Read the passage.



Monsters of the Deep

The Pacific Ocean is huge. But we see only its surface. Underneath, over half a mile down, is another world. This world is very dark. It is the watery home of the giant squid. These unusual creatures spend their whole lives there. Let us explore deep in the Pacific Ocean. We will go near the northeast coast of New Zealand. There we will learn something of these strange animals.

Many scientists come to this area. They know it is a good spot to find giant squid. They also find sperm whales there. Sperm whales feed on the squid in this area. From one of their **vessels**, the scientists can see the great whales coming up to breathe. Sperm whales are huge **marine** creatures. They are eighty feet in length. They weigh up to sixty tons. Sperm whales can go without breathing for up to an hour. This lets them dive deep underwater. There they hunt for giant squid.

The giant squid is an enormous creature. Yet very few have been seen alive. Scientists instead **examine** dead squid that wash up on shore. The giant squid may grow to be sixty feet long when it is an adult. Its body is shaped like a **cylinder.** It has two fins at the tail end. It uses them for swimming. When it needs to, the squid can put on an extra burst of speed. First it swallows water. Then it shoots the water out through an opening in its tail. A **jet** of water rushes out. This pushes the giant squid forward.

The squid has two long, waving **tentacles**. Both are on its head. Each one has rows of hooks that can dig in deep. The squid uses them to grab food. It catches fish, crabs, and turtles. It also grabs smaller squid. It can capture anything else that swims within its reach. The squid also has eight arms. It uses them to stuff whatever it catches into its mouth. Then its powerful jaws go to work. Their jaws are shaped like a parrot's beak. Anything a giant squid **grasps** has little chance of getting away.

The most unusual **feature** of a squid is its eyes. They are the size of dinner plates. The squid lives far down in the ocean. There is only a small amount of light that deep. In the darkness, the squid's large eyes give it good eyesight. It can probably see a sperm whale before the whale comes close enough to attack. This helps the squid escape. Scientists have looked at **scars** on sperm whales. They believe the beaks of giant squid caused them. This tells them that a sperm whale's attack may not always be **fatal** for the giant squid.

The scientists use a small submarine to look for the squid. It is called a Deep Rover. This boat can dive to around 3,000 feet. It has powerful lights and four cameras. Scientists aboard a Deep Rover took the first pictures of a living giant squid. Scientists would love to one day film a fight between a whale and a giant squid. This is not very likely, however. Instead, what we may see on our television screens soon is the first close look at a giant squid. Its huge eyes will be staring at us out of the darkness.

Answer each of the questions with a sentence.

1 Is it correct to call this a **marine** story? Explain your answer.

2 What do the scientists aboard the submarine want to examine?

cylinder examine

> fatal feature

grasp

jet

marine

scar tentacle

vessel

3	How	far	down	can	the	scientists'	vessel	travela

4 Why is it hard for sea creatures to escape the **grasp** of the giant squid?

Fun FACT

You know jet as a fast stream of water and as an airplane. But there is also jet black, meaning a dark black color. That jet comes from the name of an ancient Greek town where a black stone, also called jet, was found. The two jets have no connection and are really two different words!



Vocabulary Extension

examine

verb To study or look at something closely.

Academic Context

In a science lesson, you might use a magnifying glass to **examine** an insect.

Word Family

exam (noun)
examination (noun)

Discussion & Writing Prompt

You could use a magnifying glass to **examine** a feather. What else could you **examine** using a magnifying glass?

2 min.

1. Turn and talk to your partner or group.

3 min.

2. Write 1–3 sentences.

Use this space to take notes or draw your ideas.

Be ready to share what you have written.



Word List

Study the words. Then do the exercises that follow.

cable

n. 1. A thick steel rope made of strands of wire twisted together.

A **cable** with a large hook on the end dangled from the top of the crane.

2. A bundle of wires covered by rubber or plastic along which an electric current can pass.

The electric company will run an underground **cable** from this station to Quincy to provide extra power when it is needed.

cathedral

n. A large and important church.

The National **Cathedral** in Washington, D.C., is the sixth largest in the world.

convey

v. 1. To carry or move from one place to another.

A wagon with high sides **conveyed** the cut sugarcane to the mill.

2. To make an idea or feeling known.

As the curtain closed, the crowd clapped loudly to **convey** how much they had enjoyed the play.





Convey to your partner your thoughts about some music you like.

When you need a **device** for lifting heavy weights without a great deal of effort, a lever will work best.



Talk with your partner about a helpful device in your home.

freight

n. Goods carried from place to place, as by plane, boat, truck, or train.

The trains passing through this station carry **freight** from the middle of the country to the East Coast.

landmark

n. 1. A building or natural feature that is easy to see and can be used as a guide.

The Gateway Arch is a well-known **landmark** in St. Louis.



2. An important event.

The discovery that certain bacteria can cause disease was a **landmark** in the history of medicine.



Tell your partner about a famous landmark in your country.

method

n. A way of doing something.

Tara's **method** for bringing her cat inside is to shake the container with treats.



Tell your partner about your method for washing your hands.

rod

n. A thin, straight piece of wood, metal, or other material.

The shower curtain hung from a metal **rod.**

shaft

n. 1. A long open tunnel that runs straight up and down.

The coal miners traveled for five minutes to reach the bottom of the mine **shaft.**

2. A bar that connects with other moving parts of a machine.

The drive **shaft** sends power from the car engine to the wheels.

3. The long, narrow part of an arrow or other object. Felix made sure the **shafts** of his arrows were in a straight line.



structure

n. Something that is built, as a building or bridge. From the road, it was easy to see that the largest **structure** in town was the hundred-foot water tower.



Discuss with your partner a structure near your school.

10A

Using Words in Context

Read the sentences. If the word in bold is used correctly, write C on the line. If the word is used incorrectly, write I on the line.

(a) Each device is tested before it leaves the factory.	
(b) The device hatched after ten days.	
(c) He wrote the device beautifully.	
(d) The device is designed to help kids clean their rooms	

7	(a) Slugger told r bat.	ne to find my own	method for swing	ging the			
	(b) Rubbing two sticks together is one method of starting a fire.						
	(c) What method do you use for watering your plants?						
	(d) The method we followed was a twisting path that led to the lighthouse.						
8	(a) The sun is a l	arge structure m	ade up of mostly g	jas			
	(b) The structur struck.	e was only half co -	mplete when the h	nurricane			
	(c) Arlington's sp the U.S.	orts dome is the lo _	argest structure o	f its kind in			
	(d) Milo wrote do	wn the structure	so that he wouldn'	t forget it			
3	Making Conr Circle the letter	nections next to the corre	ect answer.				
0	Which word goes		(c) nursery	(d) cathedral			
2	Which word goes	with <i>long</i> and <i>stra</i> (b) hinge	aight? (c) container	(d) freight			
3	Which word goes (a) device	with <i>coal mine?</i> (b) luxury	(c) spine	(d) shaft			
4	Which word goes (a) device	with <i>bridge?</i> (b) structure	(c) gift	(d) freight			
5	Which word goes (a) confess	-	(c) survey	(d) convey			
	• • • • • • • • • • • • • • • • • • • •						

cable

cathedral

landmark

method

structure

rod shaft

convey device freight



Using Context Clues

Circle the letter next to the word that correctly completes the sentence.

U	The is ma	hold two tons.		
	(a) freight	(b) shaft	(c) cable	(d) cocoon
2	The enormous finished in 1345.		dred years to build	d and was
	(a) chasm	(b) atlas	(c) freight	(d) cathedral
3	The invention of around.	the airplane gave	people a new	of getting
	(a) device	(b) structure	(c) attitude	(d) method
4	The was s	ix feet long and h	ad a diameter of h	alf an inch.
	(a) cathedral	(b) rod	(c) hinge	(d) chimney
6	Marcus came up	with a to th	ne puzzle.	
	(a) structure	(b) device	(c) solution	(d) schedule
6	It took five minu	tes to reach the bo	ottom of the	•
	(a) shaft	(b) rod	(c) attitude	(d) solution

The French castles were _____ built to last a long time.
 (a) structures (b) devices (c) cathedrals (d) schedules



Completing Sentences

Circle each answer choice that correctly completes the sentence. Each question has three correct answers.

1 The wooden rod

- (a) can have a flag attached to it.
- (b) forms part of the kite.
- (c) has six square sides with numbers on them.
- (d) can be used as a fishing pole.

2 The method

- (a) we were following was based on an old process.
- (b) might have to be changed as we learn more.
- (c) lay without being disturbed for a thousand years.
- (d) can be done in just six easy steps.

3 Freight

- (a) can be carried by plane, train, or ship.
- (b) is usually in the form of air.
- (c) prices can almost double during the summer months.
- (d) is checked for explosives by dogs trained to sniff for them.

4 This device

- (a) opens and closes the garage door.
- (b) made it possible to see the craters on the Moon.
- (c) was designed by a person who had trouble sleeping.
- (d) can be grown almost anywhere and needs little watering.

cable
cathedral
convey
device
freight
landmark
method
rod
shaft
structure

- (a) holds over five hundred people.
- (b) is a special day of the year.
- (c) has some wonderful glass windows.
- (d) is the tallest building in the town.
- 6 I offered to convey
 - (a) the air if it got too windy.
 - (b) the children to the circus in my car.
 - (c) the food to the event for half the price of what the others charge.
 - (d) the message of hope to the city mayor.



Vocabulary in Context

Read the passage.



Life's Ups and Downs

Skyscrapers are a common sight in the world's big cities. They have been with us, though, for only about 125 years. The first one was built in Chicago in 1885. It had ten stories. Let's discover what led to this new kind of building, which changed the shape of cities.

There used to be only one way to make very tall buildings. Stones were cut to the correct shape. Then the stones were placed one on top of the other. This is the way the great **cathedrals** of Europe were built hundreds of years ago. The enormous weight of the walls was spread over a large area on the ground. The base of the walls had to be many feet thick. This **method** of building used a large amount of cut stone. And stone was not cheap. That was one problem with tall buildings. Another was getting people from the ground to the higher levels. Most people were not willing to climb more than five flights of stairs.

The first problem was solved in the late 1880s. That is when steel came into wide use. A set of steel girders fastened together supported the **structure.** That way, the outside walls no longer carried the weight of the building. The walls could now be made of lighter materials. There was no limit to how tall buildings could be, except for all those stairs! Elisha Otis, a mechanic from Vermont, solved the second problem. In the 1850s, Otis was working in a factory that made beds. Elevators then were run by steam power. They were just coming into use in America. Their main purpose was to move **freight** from one factory floor to another. The place where Otis worked had one. It was just a cage hanging from a rope. It was raised or lowered inside a framework that kept it from swinging. If the rope broke, there was nothing to stop the cage from crashing to the ground.

Otis thought about this. He came up with a **device** that would keep such accidents from happening. It was a kind of brake for the cage. As soon as the rope or wire **cable** broke and the cage began to fall, a spring caused two steel **rods** to shoot out of the sides of the cage. These fitted into slots running the length of the elevator **shaft.** That kept the cage from falling any farther. Otis's invention worked well. So in 1854, he took it to New York to a special business fair for new inventions. He climbed into the elevator cage. Then the cage was raised as high as it would go. After a signal was given, a helper on the ground cut the rope holding up the cage. Instead of falling, the cage remained in place. The crowd gasped. Then they cheered. Otis began taking orders for the elevator company he started. The company still carries his name.

cathedral landmark structure

Otis's invention could be used to **convey** people safely to the upper floors of very tall buildings. This helped make the skyscraper possible. Elevators improved even more when they began running on electricity instead of steam. Electric elevators were faster, smoother, and quieter. They were also less likely to break down. The ten-story Chicago building, which was demolished in 1931, was followed by Manhattan's first skyscraper, the twenty-two-story

cable

convey

device

freight

method

rod

shaft

Answer each of the following questions with a sentence. If a question does not contain a vocabulary word from the lesson's word list, use one in your answer. Use each word only once.

0	Give the names of some devices that enable people to reach the upper stories of buildings.
2	What kind of tall building was built before skyscrapers were invented?
3	What method was used to support the weight of tall buildings made of stone?
4	Why is 1854 a landmark in the history of tall buildings?
5	Which structure was New York City's first skyscraper?
6	Why were there no cables for electricity in the early elevators?

7	What keeps an elevator from moving side to side?
8	Why would the rods that Otis used have to be very strong?
9	What are some different uses of elevators?
D	If you were riding an elevator to the top of the Willis Tower in Chicago, how long would it take you?

Fun FACT

 As you learned in Lesson 7, advice is a noun that means "something that is given," and its verb form is advise. The same type of spelling change takes place in device and devise. Device is a noun that means "something made or invented," and the verb form, devise, means "to make or invent something."

cable
cathedral
convey
device
freight
landmark
method
rod
shaft
structure

	_
L	

Vocabulary Extension

method

noun A way of doing something.

Academic Context

In math, one **method** for measuring length is to use a ruler.

Word Family

methodical (adjective)
methodically (adverb)

Discussion & Writing Prompt

You want to find out who is taller: you or your friend. What **method** would you use?

2 min.

1. Turn and talk to your partner or group.

3 min.

2. Write 1–3 sentences.

Use this space to take notes or draw your ideas.

Be ready to share what you have written.

SSI DO NOT DUPLICATE



Review

Hidden Message Write the word that is missing from each sentence in the boxes next to it. All the words are from Lessons X and X. The shaded boxes will answer the following riddle:

A bus driver made her way along a one-way street going toward the oncoming traffic. A police officer saw this, yet did nothing. Why?

••••••	• • • • •	• • •	• • • • •	• • • • •	• • • • •	• • • •	• • •
1. This half-built will soon be our new school.	1						
2. This recipe gives a new for cooking chicken.		2					
3. My decision to quit the team is a fair one, and I will	_ it.		3				
·							
4. That crane with a long will lift the steel beam.	• • • • •	• • •	4	• • • • • • • • • • • • • • • • • • • •		• • • •	• • •
5. Boil the potatoes in a(n) of salt and water.		5					
6. The opposite of happiness is			6	-			
e. The appeared of happiness is							
7. Each iron was three feet long 8. This timing will turn on the lamp at night	• • • •	• • •	7		• • • • •	• • • •	• • •
8. This timing will turn on the lamp at night.		0		$\square R $			
9. A smile is a clear way to that you are friendly.		8		_			
10. The in Washington, D.C., is open to all people.	10	'		_			_
11. From the, we learned that most students			11				
like the school lunches.							
	• • • • •		• • • • •	• • • • •	• • • • •		• • •
12. The Space Needle is Seattle's best known	12			W			
13. The rescue workers entered the mine carefully.	12			13			
•••••••••••••	• • • • •	• • •	• • • • •	W	• • • • •	• • • •	• • •
14. The slope here is so you hardly notice it.			14	- V V			
15. Breaking the new bicycle on purpose was an act of	_•		15				
16. A cheerful helps when you have problems.				K			
17. If you can't guess the answer, I'll give you a(n)		16					
18. All of the trains on this line carry only.			17				
	18						