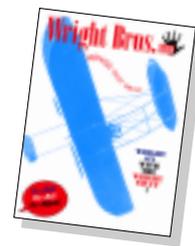




Power Vocabulary



Wright Brothers

WHAT IS POWER VOCABULARY?

Power Vocabulary is a systematic and individualized approach to vocabulary development that enables teachers to assist students to improve their reading comprehension skills. Power Vocabulary consists of two word groups – “brick words” and “mortar words.” Similar to the bricks and mortar used to construct a wall, brick words represent a text’s key ideas and mortar words hold the key ideas together.

Brick words are the words in our vocabulary that label concepts that support subject matter. These words are the specialized vocabulary of a content area (words from everyday vocabulary that take on specialized meanings in a particular content area) and the technical vocabulary of a content area (words that are used only in a particular area). Examples of brick words are “predator” and “biodiversity.”

Mortar words are the words in our everyday vocabulary that have widely acknowledged meanings and that hold the content of a passage together. These words are selected because their level of difficulty is significantly above the demands of the text. Examples of mortar words are “morose” and “diligent.”

Fifteen Power Vocabulary words have been identified for this **KIDS DISCOVER** title. Use the word cards or select a few blackline masters to preview the vocabulary words to help students be more confident and read more fluently when they come across these new words as they read. Or use them to review words after they have read **KIDS DISCOVER**.

PAGES IN THIS POWER VOCABULARY BOOKLET

- 1 What is Power Vocabulary?**
How are the 15 Power Vocabulary words selected from this Kids Discover title and why should students know them?
- 2 Word Card Activity Ideas**
A variety of teaching strategies and great activities students can do with the word cards on pages 3-6
- 3-6 Word Cards** Blackline Master
Students can cut out and use these cards to learn more about the 15 Power Vocabulary words from this KIDS DISCOVER title
- 7-8 Dictionary List** Blackline Master
View the 15 Power Vocabulary words with definitions in one list
- 9 Crossword Puzzle** Blackline Master
In this crossword, the definitions are the clues and the Power Vocabulary words are the answers
- 10 Word Find** Blackline Master
Students can focus on the spellings of the Power Vocabulary words with this word find—plus solve a hidden message!
- 11 Matching** Blackline Master
Students will match each Power Vocabulary word with its definition
- 12 Sentences** Blackline Master
Students will complete each cloze sentence with a Power Vocabulary word
- 13-16 Answer Keys** Blackline Master
Answer keys for the crossword puzzle, word search, matching, and sentences blackline masters

avid

(a-vuhd)

adjective



KIDS DISCOVER *Wright Brothers*

concave

(kahn-kayv)

adjective



KIDS DISCOVER *Wright Brothers*

consequence

(kahn-suh-kwenss)

noun



KIDS DISCOVER *Wright Brothers*

convex

(kahn-veks)

adjective



KIDS DISCOVER *Wright Brothers*

edit

(e-duht)

verb



KIDS DISCOVER *Wright Brothers*

fantasy

(fan-tuh-see)

noun



KIDS DISCOVER *Wright Brothers*

finance

(fy-nanss)

verb



KIDS DISCOVER *Wright Brothers*

institution

(in-stuh-too-shuhn)

noun



KIDS DISCOVER *Wright Brothers*

CONCAVE: curved inward, like the inside of a bowl

- ★ Rounded slightly inward, the **concave** dish was perfect for serving the soup.
- ★ *Through testing, the Wrights decided that wings that were curved and convex on the top-side and **concave** on the underside produced the greatest lift.*

CONVEX: curved outward, like the outer side of a ball

- ★ Rain poured down on the domed roof, but dripped off the side because of its **convex** shape.
- ★ *Through testing, the Wrights decided that wings that were curved and **convex** on the top-side and concave on the underside produced the greatest lift.*

FANTASY: something you imagine happening that is not likely to happen in real life

- ★ He sometimes had a hard time telling the difference between fact and **fantasy**.
- ★ *Most people thought flying machines were **fantasy** or, at best, inventions for the distant future--but not Orville and Wilbur Wright.*

INSTITUTION: a large organization where people live or work together, such as a hospital or a college

- ★ The medical center is a huge **institution** with thousands of doctors, nurses, and researchers on staff.
- ★ *To learn more about flying, Wilbur wrote to the Smithsonian **Institution** in 1899.*

AVID: very eager, committed, enthusiastic

- ★ Doug is an **avid** music collector and owns hundreds of CDs
- ★ *Like their friends, the brothers became **avid** bikers.*

CONSEQUENCE: the result of an action

- ★ One **consequence** of Mark's daydreaming was that he sometimes didn't hear the teacher's homework assignment.
- ★ *Bishop Wright wrote this about his son in his diary: "A short life, full of **consequences**."*

EDIT: to be in charge of producing a publication, such as a book or newspaper; to check writing for mistakes and shorten it if it is too long

- ★ The book was too long, so the writer had to **edit** parts to make it shorter.
- ★ *Wilbur earned money delivering the church newspaper **edited** by his father.*

FINANCE: to provide money for something

- ★ Although it was difficult saving enough money, Marjorie's parents managed to **finance** her college education.
- ★ *Army **financed** a full-scale version of Langley's flying machine.*

lateral

(la-tuh-ruhl)

adjective



KIDS DISCOVER *Wright Brothers*

mechanical

(muh-kan-uh-kuhl)

adjective



KIDS DISCOVER *Wright Brothers*

patent

(pa-tuhnt)

noun



KIDS DISCOVER *Wright Brothers*

reluctant

(ri-luhk-tuhnt)

adjective



KIDS DISCOVER *Wright Brothers*

solo

(soh-loh)

adjective



KIDS DISCOVER *Wright Brothers*

stealth

(stelth)

adjective



KIDS DISCOVER *Wright Brothers*

warp

(worp)

verb



KIDS DISCOVER *Wright Brothers*



KIDS DISCOVER *Wright Brothers*

MECHANICAL: to do with machines or tools

- ★ In the story, the robot had a **mechanical** heart made of metal gears.
- ★ *She helped the boys solve **mechanical** problems.*

RELUCTANT: hesitant, unwilling, unenthusiastic

- ★ She was **reluctant** to return to the restaurant because the last time she ate there she became sick.
- ★ *In 1853, Cayley built a glider that carried his **reluctant** coachman across a small valley.*

STEALTH: referring to an aircraft designed to escape observation and detection by radar

- ★ **Stealth** planes can fly overhead almost unseen and unheard.
- ★ *The **stealth** combat airplane is first used in Operation Desert Storm.*

LATERAL: to do with the side of something, sideways

- ★ The quarterback looked to his side and made a **lateral** pass to the receiver.
- ★ *By shifting right or left in a hip cradle, the pilot moved the wing-warping wires, which controlled **lateral** balance.*

PATENT: a legal document giving the inventor of something sole rights to manufacture or sell it

- ★ The inventor hoped he could get a **patent** on his new machine so that no one else could copy his brilliant design.
- ★ *Fearing others might copy their machine, the Wrights stopped further public trials in 1905 until their invention was protected by **patents** and they had found a buyer for it.*

SOLO: done by one person

- ★ He made a **solo** hike up the mountain because he liked being all by himself in the wilderness.
- ★ *Wiley Post makes the first **solo** flight around the world, traveling 15,596 miles in 7 days, 19 hours, 49 minutes.*

WARP: to turn or twist out of shape

- ★ The piece of wood was left out in the rain for so long that it began to bend and **warp**.
- ★ *By shifting right or left in a hip cradle, the pilot moved the wing **warping** wires, which controlled lateral balance.*



Wright Bros. Dictionary List



AVID

Pronunciation a-vuhd

Part of Speech adjective

Definition very eager, committed, enthusiastic

- ★ Doug is an **avid** music collector and owns hundreds of CDs

Word Used in KIDS DISCOVER

- ★ *Like their friends, the brothers became **avid** bikers.*

CONCAVE

Pronunciation kahn-kayv

Part of Speech adjective

Definition curved inward, like the inside of a bowl

- ★ Rounded slightly inward, the **concave** dish was perfect for serving the soup.

Word Used in KIDS DISCOVER

- ★ *Through testing, the Wrights decided that wings that were curved and convex on the top-side and **concave** on the underside produced the greatest lift.*

CONSEQUENCE

Pronunciation kahn-suh-kwenss

Part of Speech noun

Definition the result of an action

- ★ One **consequence** of Mark's daydreaming was that he sometimes didn't hear the teacher's homework assignment.

Word Used in KIDS DISCOVER

- ★ *Bishop Wright wrote this about his son in his diary: "A short life, full of **consequences**."*

CONVEX

Pronunciation kahn-veks

Part of Speech adjective

Definition curved outward, like the outer side of a ball

- ★ Rain poured down on the domed roof, but dripped off the side because of its **convex** shape.

Word Used in KIDS DISCOVER

- ★ *Through testing, the Wrights decided that wings that were curved and **convex** on the top-side and concave on the underside*

produced the greatest lift.

EDIT

Pronunciation e-duht

Part of Speech verb

Definition to be in charge of producing a publication, such as a book or newspaper; to check writing for mistakes and shorten it if it is too long

- ★ The book was too long, so the writer had to **edit** parts to make it shorter.

Word Used in KIDS DISCOVER

- ★ *Wilbur earned money delivering the church newspaper **edited** by his father.*

FANTASY

Pronunciation fan-tuh-see

Part of Speech noun

Definition something you imagine happening that is not likely to happen in real life

- ★ He sometimes had a hard time telling the difference between fact and **fantasy**.

Word Used in KIDS DISCOVER

- ★ *Most people thought flying machines were **fantasy** or, at best, inventions for the distant future--but not Orville and Wilbur Wright.*

FINANCE

Pronunciation fy-nanss

Part of Speech verb

Definition to provide money for something

- ★ Although it was difficult saving enough money, Marjorie's parents managed to **finance** her college education.

Word Used in KIDS DISCOVER

- ★ *Army **financed** a full-scale version of Langley's flying machine.*

INSTITUTION

Pronunciation in-stuh-too-shuhn

Part of Speech noun

Definition a large organization where people live or work together, such as a hospital or a college

- ★ The medical center is a huge **institution** with thousands of doctors, nurses, and researchers on staff.



Wright Bros. Dictionary List (continued)



Word Used in KIDS DISCOVER

- ★ *To learn more about flying, Wilbur wrote to the Smithsonian Institution in 1899.*

LATERAL

Pronunciation la-tuh-ruhhl

Part of Speech adjective

Definition to do with the side of something, sideways

- ★ The quarterback looked to his side and made a **lateral** pass to the receiver.

Word Used in KIDS DISCOVER

- ★ *By shifting right or left in a hip cradle, the pilot moved the wing-warping wires, which controlled **lateral** balance.*

MECHANICAL

Pronunciation muh-kan-uh-kuhl

Part of Speech adjective

Definition to do with machines or tools

- ★ In the story, the robot had a **mechanical** heart made of metal gears.

Word Used in KIDS DISCOVER

- ★ *She helped the boys solve **mechanical** problems.*

PATENT

Pronunciation pa-tuhnt

Part of Speech noun

Definition a legal document giving the inventor of something sole rights to manufacture or sell it

- ★ The inventor hoped he could get a **patent** on his new machine so that no one else could copy his brilliant design.

Word Used in KIDS DISCOVER

- ★ *Fearing others might copy their machine, the Wrights stopped further public trials in 1905 until their invention was protected by **patents** and they had found a buyer for it.*

RELUCTANT

Pronunciation ri-luhk-tuhnt

Part of Speech adjective

Definition hesitant, unwilling, unenthusiastic

- ★ She was **reluctant** to return to the restaurant because the last time she ate there she became

sick.

Word Used in KIDS DISCOVER

- ★ *In 1853, Cayley built a glider that carried his **reluctant** coachman across a small valley.*

SOLO

Pronunciation soh-loh

Part of Speech adjective

Definition done by one person

- ★ He made a **solo** hike up the mountain because he liked being all by himself in the wilderness.

Word Used in KIDS DISCOVER

- ★ *Wiley Post makes the first **solo** flight around the world, traveling 15,596 miles in 7 days, 19 hours, 49 minutes.*

STEALTH

Pronunciation stelh

Part of Speech adjective

Definition referring to an aircraft designed to escape observation and detection by radar

- ★ **Stealth** planes can fly overhead almost unseen and unheard.

Word Used in KIDS DISCOVER

- ★ *The **stealth** combat airplane is first used in Operation Desert Storm.*

WARP

Pronunciation worp

Part of Speech verb

Definition to turn or twist out of shape

- ★ The piece of wood was left out in the rain for so long that it began to bend and **warp**.

Word Used in KIDS DISCOVER

- ★ *By shifting right or left in a hip cradle, the pilot moved the wing **warping** wires, which controlled lateral balance.*



Name _____ Date _____

Crossword

		avid	fantasy	patent
		concave	finance	reluctant
		consequence	institution	solo
		convex	lateral	stealth
		edit	mechanical	warp

Down

1. intended to escape observation
2. a legal document giving the inventor of some item sole rights to manufacture or sell the item
4. holding back, averse, unwilling
6. a large organization where people live or work together, such as a hospital or a college
9. curved outward, like the outer side of a ball
10. curved inward, like the inside surface of a dish
12. something you imagine happening that is not likely to happen in real life

Across

1. done by one person
3. to turn or twist out of or as if out of shape on, from, or to the side
5. very eager or committed
7. to check a piece of writing for spelling, grammatical, stylistic, and factual mistakes and shorten it if it is too long
9. the result of an action
11. to do with machines or tools
12. to provide money for something



Name _____ Date _____

Word Find

Circle each word from the box in the letter grid below. The words are up and down, across, backwards, and diagonal. Then, going across each row starting at the top left, place each unused letter on a blank until you reveal the hidden message.

avid	fantasy	patent
concave	finance	reluctant
consequence	institution	solo
convex	lateral	stealth
edit	mechanical	warp

W H A T E V A C N O C A R T I S T M
 A D E S K E T C H T N E T A P E S O
 I N S T I T U T I O N F A F L Y I N
 G M A L A T E R A L C H I N E T H A
 T H A D W M E C H A N I C A L I N G
 S T H A T D I V A F L A P P E D L I
 K E A B I O L O S R D L E O N X A R
 D O R E L U C T A N T D H A V E I N
 C I W K X K K L Z T V Z T I Y V M J
 G K C E D I T F C T G D L N Y N M R
 O G C I F V I A E F Z Z A D S O Y P
 I O G Z T F E A I J E T E B A C L W
 N P I R R P W N K O A S T Q T I R C
 T N P C Q J A Q O W D Q S F N J M Z
 D V L G X N R T H H N D U E A X G W
 V N W E C U P E J G Z K M U F B O B
 Z U R E E N T G K L J J L N A E X P
 O M L O Y R C E C N E U Q E S N O C



Name _____ Date _____

Matching

For each vocabulary word in the left column, locate its definition in the right column. Write the number of the correct definition in the blank before the word.

- | | |
|-------------------|---|
| _____ avid | 1. curved inward, like the inside surface of a dish |
| _____ concave | 2. very eager or committed |
| _____ consequence | 3. to turn or twist out of or as if out of shape |
| _____ convex | 4. the result of an action |
| _____ edit | 5. curved outward, like the outer side of a ball |
| _____ fantasy | 6. to provide money for something |
| _____ finance | 7. to do with machines or tools |
| _____ institution | 8. something you imagine happening that is not likely to happen in real life |
| _____ lateral | 9. intended to escape observation |
| _____ mechanical | 10. a large organization where people live or work together, such as a hospital or a college |
| _____ patent | 11. done by one person |
| _____ reluctant | 12. to check a piece of writing for spelling, grammatical, stylistic, and factual mistakes and shorten it if it is too long |
| _____ solo | 13. holding back, averse, unwilling |
| _____ stealth | 14. a legal document giving the inventor of some item sole rights to manufacture or sell the item |
| _____ warp | 15. on, from, or to the side |



Name _____ Date _____

Sentences

Fill in each blank with the word from the box that best completes the sentence.

avid	fantasy	patent
concave	finance	reluctant
consequence	institution	solo
convex	lateral	stealth
edit	mechanical	warp

1. The bank agreed to _____ the cost of the new house.
2. The satellite dish has a _____ surface that receives radio waves in the center.
3. She had to _____ her story to make sure that all the words were spelled right and that there weren't any mistakes.
4. Her _____ curiosity about animals led her to become a veterinarian.
5. In his _____, dragons roamed the earth.
6. Ann was nervous about her _____ performance because she had never before sung on stage alone.
7. A school is an _____ of learning.
8. Patricia is _____ to go to the beach because she doesn't know how to swim.
9. The machine has various _____ parts that allow it to work properly.
10. He made a _____ movement to the right to avoid being hit by the ball.
11. After creating each of his new inventions, he tried to get a _____ on them.
12. The _____ aircraft is a military plane that's designed to be invisible to enemy radar.
13. As a _____ of eating too much candy at once, he had an awful stomach ache.
14. The front of the sled was _____, or shaped to curve outward.
15. The plastic container began to melt and _____ after being in the microwave for too long.



Name **ANSWER KEY** Date _____

Word Find

Circle each word from the box in the letter grid below. The words are up and down, across, backwards, and diagonal. Then, going across each row starting at the top left, place each unused letter on a blank until you reveal the hidden message.

avid	fantasy	patent
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W H A T E V A C N O C A R T I S T M
 A D E S K E T C H T N E T A P E S O
 I N S T I T U T I O N F A F L Y I N
 G M A L A T E R A L C H I N E T H A
 T H A D W M E C H A N I C A L I N G
 S T H A T D I V A F L A P P E D L I
 K E A B I G L O S R D L E O N X A R
 D O R E L U C T A N T D H A V E I N
 C I W K X K K L Z T V Z T I Y V M J
 G K C E D I T F C T G D L N Y N M R
 O G C I F V I A E F Z Z A D S O Y P
 I O G Z T F E A I J E T E B A C L W
 N P I R R P W N K O A S T Q T I R C
 T N P C Q J A Q O W D Q S F N J M Z
 D V L G X N R T H H N D U E A X G W
 V N W E C U P E J G Z K M U F B O B
 Z U R E E N T G K L J J L N A E X P
 O M L O Y R C E C N E U Q E S N O C

W H A T A R T I S T M A D E S K E T C H E S O F A
F L Y I N G M A C H I N E T H A T H A D W I N G S T H A T
F L A P P E D L I K E A B I R D ? L E O N A R D O D A
V I N C I .



Name **ANSWER KEY** _____ Date _____

Matching

For each vocabulary word in the left column, locate its definition in the right column. Write the number of the correct definition in the blank before the word.

- | | |
|--------------------------|---|
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| <u> 12 </u> edit | 5. curved outward, like the outer side of a ball |
| <u> 8 </u> fantasy | 6. to provide money for something |
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| <u> 10 </u> institution | 8. something you imagine happening that is not likely to happen in real life |
| <u> 15 </u> lateral | 9. intended to escape observation |
| <u> 7 </u> mechanical | 10. a large organization where people live or work together, such as a hospital or a college |
| <u> 14 </u> patent | 11. done by one person |
| <u> 13 </u> reluctant | 12. to check a piece of writing for spelling, grammatical, stylistic, and factual mistakes and shorten it if it is too long |
| <u> 11 </u> solo | 13. holding back, averse, unwilling |
| <u> 9 </u> stealth | 14. a legal document giving the inventor of some item sole rights to manufacture or sell the item |
| <u> 3 </u> warp | 15. on, from, or to the side |

Name **ANSWER KEY** _____ Date _____

Sentences

Fill in each blank with the word from the box that best completes the sentence.

avid	fantasy	patent
concave	finance	reluctant
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convex	lateral	stealth
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12. The stealth aircraft is a military plane that's designed to be invisible to enemy radar.
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