

NERVOUS SYSTEM

CUBE CODE

the cerebellum

signals away from the muscles?

A. Stimuli
B. Sensory
C. Relay
D. Motor

What is not part of the respiratory system?

A. Brain
B. Spinal cord
C. Diaphragm
D. Neurons

What are experts that study the nervous system called?

A. Neurologist
B. Cardiologists
C. Podiatrists
D. Pulmonologist

What nerves can we control and think about such as walking?

A. Cerebrum
B. Somatic
C. Autonomic
D. Ganglia

A B C

The SECOND number of the lock is the number of pairs of spinal nerves the vertebrae has MINUS 29.

The FIRST number of the lock is the number of main types of neurons MINUS 3.

The THIRD number of the lock is the average weight in pounds of the adult human brain MINUS 2.

control 4
cilia 5
ganglia 6

can't control 7
automatic 8
alveoli 9

heart
brain
autonomic

The peripheral nervous system (PNS) connects the brain and limbs and refers to the part of the nervous system that is outside the spinal cord. It is made up of (groups of) peripheral nerves. The PNS is divided into somatic and autonomic.

STATION 2:

First, number ALL the paragraphs on your reading passage. Then, read each statement below and determine which paragraph NUMBER the statement can be found in. Lastly, eliminate ANY answer where the answer was found in an EVEN numbered paragraph, leaving only ODD numbers as your final code (in the order of questions). Paragraph numbers MAY be used more than one time or not at all.

A B C

STATION 3:

Read each statement below and determine if it is true or false. If the statement is true, color or shade the coin that corresponds to the statement. If the statement is false, cross out that coin value. After you are finished add the TOTAL of ALL TRUE coin values. The code has been provided for you. If the total is 625, a 6 in the first box, the 2 in the second box and so on.

NAME: _____

THE CONSTITUTION

What room was the Constitution signed in?

A. North
B. South
C. West
D. East

What is the purpose of the Constitution?

A. To protect the rights of citizens
B. To provide a framework for the government
C. To establish the structure of the government
D. To define the powers of the government

What is the purpose of the Bill of Rights?

A. To protect the rights of citizens
B. To provide a framework for the government
C. To establish the structure of the government
D. To define the powers of the government

What is the purpose of the Amendments?

A. To protect the rights of citizens
B. To provide a framework for the government
C. To establish the structure of the government
D. To define the powers of the government

A B C D

4 DIGIT CODE

A Motor neurons carry signals away from the brain to the muscles.

B The cerebellum controls posture, balance, coordination, and speech.

C The peripheral nervous system is made up of the somatic and autonomic nervous systems.

D Alzheimer's disease is a neurodegenerative disease that affects memory and cognitive function.

E The thalamus is a part of the brain that acts as a relay station for sensory information.

F The cerebellum is the smallest part of the brain.

ELIMINATE

THE NERVOUS SYSTEM

The nervous system is responsible for communication between the body and the brain. To pick up a pencil, the brain sends signals to the hands and fingers to reach down and grasp it. The brain is in constant communication with the rest of the body, sending signals back and forth about what is happening on the outside and how the body should react.

Each human body system is made up of certain body parts that work with different organs to complete a job. The nervous system is made up of the brain, the spinal cord, and a network of nerve cells (neurons). These cells, tissues, and organs help regulate the body's responses to stimuli, both internal and external. Stimuli is a thing or event that prompts a specific functional response.

Stimuli is a thing or event that prompts a specific functional response.

Sometimes, the body acts before the brain sends any signals.

The cerebellum is the largest part of the brain.

A pulmonologist studies the nervous system.

Cranial nerves run directly to the brain.

The spinal cord is only about 9 inches long.

Neurons allow the sensory and motor neurons to communicate.

The nervous system is made up of the spinal cord, and a network of neurons.

A B C D



STATION 1:

Use your reading passage or deductive reasoning skills to determine the missing words in the paragraph below. Each missing word has a corresponding NUMBER. The 4-digit code will be the NUMBER of each missing word in the same order in which they appear in the paragraph.

STATION 2:

First, number ALL the paragraphs on your reading passage. Then, read each statement below and determine which paragraph NUMBER the statement can be found in. Lastly, eliminate ANY answer where the answer was found in an ODD numbered paragraph, leaving only EVEN numbers as your final code (in the order of questions). Paragraph numbers MAY be used more than one time or not at all.

STATION 3:

Read each statement below and determine if it is true or false. If the statement is true, color or shade the coin that corresponds with that question. If the statement is false, cross out that coin value. When you are finished add the TOTAL of ALL TRUE coin values. One digit of the code has been provided for you. If the total is 625, a 6 would go in the first box, the 2 in the second box and so on.

STATION 4:

Use your reading passage to determine the combination to the 4-digit lock. You're going to have to use your critical thinking skills and do a tiny bit of math. Pay attention because the "clues" below are NOT in order.

STATION 5:

Answer each multiple choice question below. Then, count the number of times you used each letter answer (ABCD) to reveal your 4 digit code. Answer options may be used more than once or not at all. If a letter option is not used, simply put a zero in the box.

STATION 6:

Reread the passage and write the main idea in your own words. Then, add TWO supporting details that back up your main idea or topic sentence.

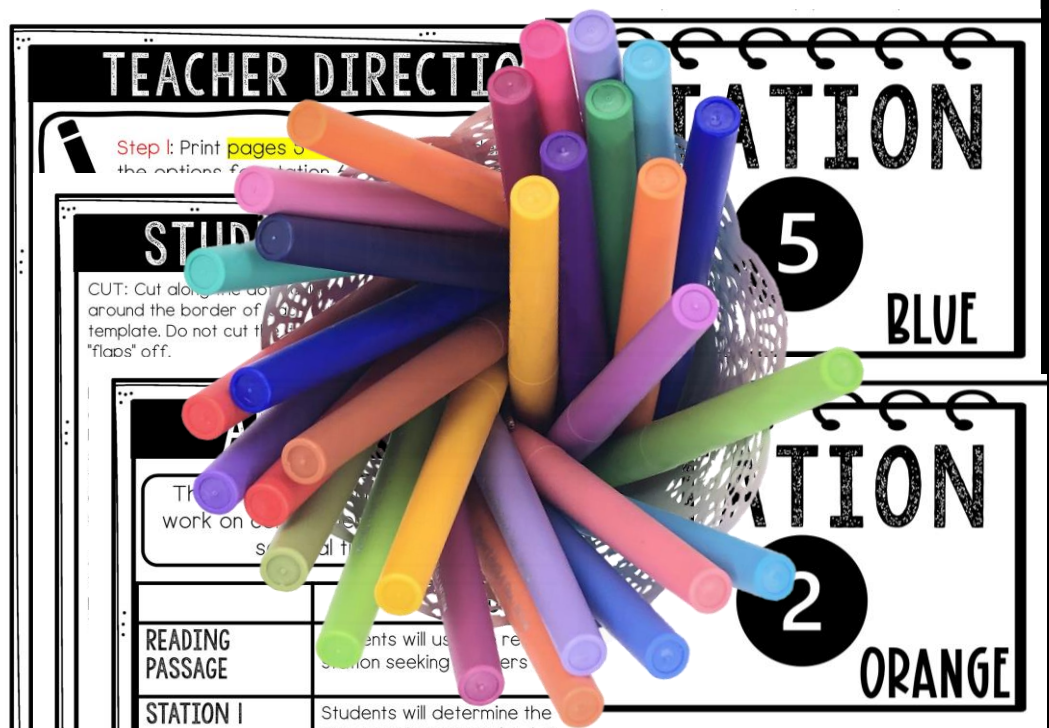
STATION

1

RED

WHAT'S INCLUDED?

- READING PASSAGE
- 6 STATIONS
- TEACHER GUIDE
- STATION CARDS
- ANSWER KEY
- STUDENT DIRECTIONS
- TEXT MARKING OPTION
- ALTERNATE STATION
- ASSEMBLY TIPS



6 STATIONS

STATION 1:

Use your reading passage or deductive reasoning to determine the missing words in the paragraph below. The missing word has a corresponding NUMBER. The 4-digit code will be the NUMBER of each missing word in the same order in which they appear in the paragraph.

STATION
1

RED

STATION 6:

Reread the passage and write the main idea in your own words. Then, add TWO supporting details that back up your main idea or topic sentence.

STATION
6

SUPPORTING DETAIL #1



SUPPORTING DETAIL #2

STATION 4:

Use your reading passage to determine the combination to the 4-digit lock. You're going to have to use your critical thinking skills and do a tiny bit of math. Pay attention because the "clues" below are NOT in order.

The LAST number of the lock is the miles per hour the body can send

STATION
4

GREEN

STATION 5:

Answer each multiple choice question below. Then, count the number of times you used each letter answer (ABCD) to reveal your 4 digit code. Answer options may be used more than once or not at all. If a letter option is not used, put a zero in the box.

STATION
5

BLUE

What does the cerebellum control?

- A. Posture
- B. Balance
- C. Speech
- D. All of the above

What is the process of myelination?

- A. CNS
- B. PNS
- C. RNS
- D. PNS

What is the primary function of the brain during walking?

- A. Cerebrum
- B. Somatic
- C. Autonomic
- D. Ganglia

What kind of neurons carry signals away from the brain to the muscles?

- A. Stimuli

- A. Neurologist
- B. Cardiologists
- C. Podiatrists
- D. Pulmonologists

A B C D

STATION 3:

Read each statement below and determine if it is true or false. Write the number of the statement in the box. If the statement is false, write the number of the question it is false for. The first digit of the code is the first statement that is false.

STATION
3

YELLOW

A 75

B 25

C 50

D 100

- C. The cerebellum is the largest part of the brain.
- D. A pulmonologist studies the nervous system.
- E. Cranial nerves run directly to the brain.
- F. The spinal cord is only about 9 inches long.
- G. Relay neurons connect the sensory motor neurons to communicate.
- H. The nervous system is made up of the brain, the spinal cord, and a network of nerve cells (neurons).

4 DIGIT CODE



STATION 2:

First, number ALL the paragraphs on your reading passage. Then, read each statement below and determine which paragraph NUMBER the statement can be found in. Lastly, eliminate ANY answer where the answer was not found in the paragraph. Only ODD numbers are allowed. The final code is the sum of the remaining numbers.

STATION
2

ORANGE

A. Most people have a hard time remembering names.

B. The brain is the largest part of the body.

C. The brain is the largest part of the body.

D. The brain is the largest part of the body.

E. The brain is the largest part of the body.

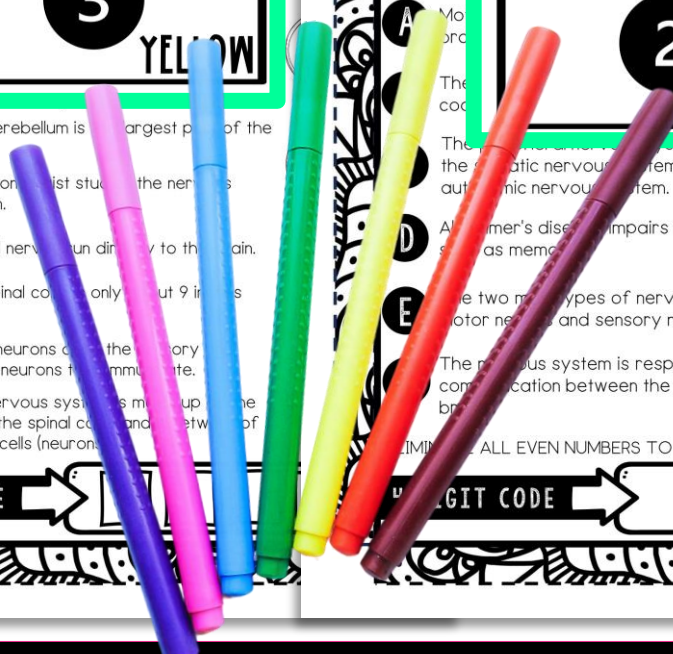
F. The brain is the largest part of the body.

G. The brain is the largest part of the body.

H. The brain is the largest part of the body.

ELIMINATE ALL EVEN NUMBERS TO DETERMINE THE FINAL CODE.

4 DIGIT CODE



SAMPLE CUBE



STATIONS

STATION 1	Students will determine the missing words in the paragraph to reveal a 4 digit code.
STATION 2	Students will number the paragraphs and browse the passage to determine where the answers can be found (paragraph number). After eliminating EVEN numbers, a 4 digit code will be revealed.
STATION 3	Students will read each statement and determine if it is true or false. They will then ADD all TRUE values to find the 4 digit code.
STATION 4	Students will do some basic math here, read the passage to find the answers and then determine the 4 digit code.
STATION 5	Students will answer 6 multiple choice questions which lead them to a 4 digit code based on the number of times they used each "answer".
STATION 6	Option 1: Main idea writing activity Option 2: Color and add topic
TEXT MARKING	OPTIONAL: A color code chart is included in case you want students to mark the text citing evidence of where they found their answers.

**STUDENTS WILL
USE THE SAME
READING
PASSAGE AT
EACH STATION
SEEKING
ANSWERS AND
TEXT EVIDENCE.**

HOW IT WORKS



ENGAGING READING COMPREHENSION PRACTICE!

1

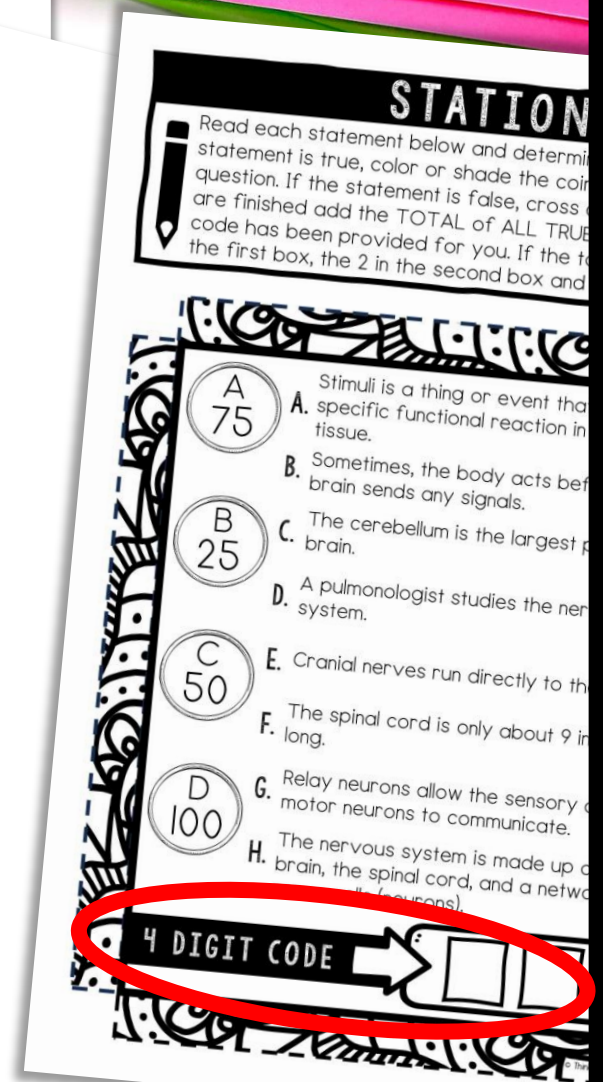
Students work individually (or in pairs) and visit 6 stations, grabbing one side of their cube at each station.

2

Students will answer the questions (found directly in the passage) on their cube sheet before assembly. Students will revisit their reading passage at EACH station!

3

Students will reveal 4-digit codes to move on to the next station. When they finish all stations, they can color and assemble their cube.



COMBINATION



Each Cube Code is a winning combination of:



- stations and movement
- close reading
- comprehension skills
- coloring and stress relief
- secret codes
- cut and paste
- citing evidence
- critical thinking

Everything a teacher dreams of wrapped up into one FUN and engaging activity!

BENEFITS



THINK OUTSIDE THE BOX!

-  ANTICIPATORY SETS
-  UNIT REVIEW
-  EARLY FINISHERS
-  STATIONS
-  SUB PLANS
-  PARTNER WORK
-  ENRICHMENT

-  HANDS-ON
-  CROSS-CURRICULAR
-  HIGHLY ENGAGING

