

DIGESTIVE SYSTEM

CUBE CODE

What is the first part of the digestive system called?
A. Swallowing
B. Indigestion
C. Chyme
D. Large Intestine

What organ produces a juice called bile?
A. Lungs
B. Liver
C. Larynx
D. Kidney

What is a tiny tube attached to the large intestine that stores good bacteria?
A. Pharynx
B. Appendix
C. Retina
D. Aorta

What is chyme made up of?
A. Water
B. Hydrochloric acid
C. Enzymes
D. All of the above

The number of hours food usually stays in the stomach for MINUS 4.

The FIRST number of the lock is the number of muscle layers around the stomach walls MINUS 1.

The THIRD number of the lock is the total number of stages in the digestive system MINUS 2.

4	upper	7	third
5	lower	8	kidney
6	second	9	gallbladder

First, the pancreas produces juices that help the body digest fats and proteins. The liver is the _____ largest organ in the body. It produces a juice called bile. The gallbladder stores bile. The small intestine absorbs nutrients. The large intestine makes most of the body's waste. The shape of the bladder is _____.

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.

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 value. 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.

A Saliva has enzymes that break down food to make it soft and easy to swallow.

B The liver filters out waste, makes more bile, and stores vitamins and sugar.

C A tiny flea automaton.

D The digestive system maintains the body's temperature.

E The pancreas produces enzymes that help with digestion.

F The appendix is a small, finger-like pouch that is attached to the large intestine.

ELIMINATE

A 75 Muscles contract along the esophagus, pushing the food toward the stomach.

B 25 The esophagus is a tube that passes food from the liver to the aorta.

C 50 Hydrochloric acid kills any harmful bacteria.

D 100 The small intestine works with the liver, gall bladder, and pancreas.

E 75 The first part of the small intestine is the ileum.

F 50 The bladder is located just under the stomach.

G 25 The stomach is made up of partially digested food, hydrochloric acid, and enzymes.

H 100 The mouth is called the oral cavity.

4 DIGIT CODE

100 75 50 25

A The Constitution is organized into seven different parts called Articles.

B The Constitutional Convention was held in Boston, Massachusetts.

C The 3 branches include the Legislative, Executive and Parliament Branch.

D The first ten amendments came in 1791 and are called the Bill of Rights.

E Before the Constitution, a strong federal government held the states together.

F The opening part of the Constitution is called the Preamble.

G George Washington was known as the "Father of the Constitution."

H The U.S. Constitution is the oldest government document still in use today.

4 DIGIT CODE:

DIGESTIVE SYSTEM

The human body has many systems that work together to keep it healthy. Each system works with different organs such as the heart or liver to complete a certain function. The digestive system is responsible for taking the food a person eats and breaking it down. Once broken down, the food transforms into energy, vitamins, and minerals for the body's organs and cells.

The process of digestion has two types: mechanical digestion and chemical digestion. Mechanical digestion is when a person chews the food and physically breaks it down into smaller pieces. With chemical digestion, enzymes break down food into molecules for the body to use as nutrients.



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.

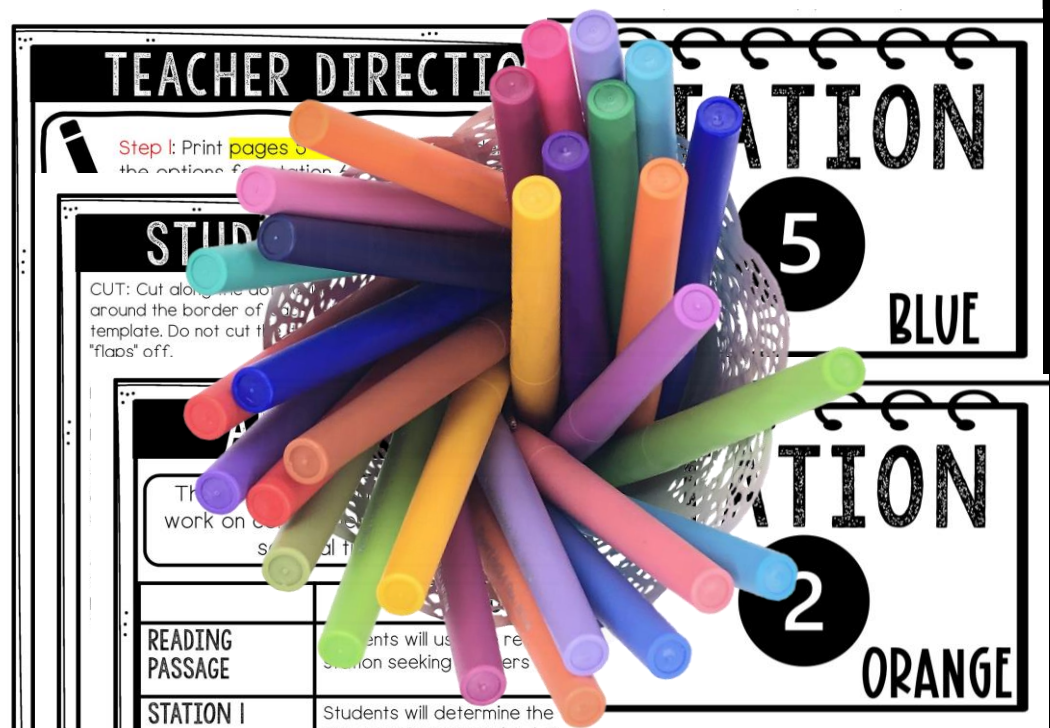
STATION

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 number of feet long the small intestine.

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 is the first part of the small intestine called?

- A. Jejunum
- B. Duodenum
- C. Ileum
- D. None of the above

What is the second phase of digestion called?

- A. Swallowing

Once food enters the small intestine, what does it do?

- A. Moves through the small intestine
- B. Energy is released
- C. Vitamins are absorbed
- D. All of the above

What is the function of the appendix?

- A. Water is absorbed
- B. Hydrochloric acid is secreted
- C. Enzymes are secreted
- D. All of the above

What is the function of the appendix?

- A. Pharynx
- B. Appendix
- C. Retina
- D. Aorta

A B C D

STATION 3:

Read each statement below and determine if it is true or false. Write the number of true statements in the box. Then, add the number of false statements to the number of true statements to reveal your 4 digit code.

STATION

3

YELLOW

A 75

B 25

C 50

D 100

C. Hydrochloric acid is a very harmful bacteria.

D. The small intestine works with the liver, gall bladder, and pancreas.

E. The first part of the small intestine is the ileum.

F. The gall bladder is located just below the pharynx.

G. Chyme is made up of partially digested food, water, hydrochloric acid, and enzymes.

H. Placing food in your mouth is called ingestion.

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. Add the remaining numbers to determine the final code.

STATION

2

ORANGE

A. Salivary glands are located in the mouth and help break down food.

B. The epiglottis is a flap of cartilage that prevents food from entering the lungs.

C. The digestive system is most effective if we eat high-fiber foods, and maintain a healthy diet.

D. The process of digestion has two types: mechanical digestion and chemical digestion.

E. The stomach has three layers of muscles and its walls.

F. The appendix is a small, finger-like projection from the large intestine.

G. The appendix is a small, finger-like projection from the large intestine.

H. The appendix is a small, finger-like projection from the large intestine.

I. The appendix is a small, finger-like projection from the large intestine.

J. The appendix is a small, finger-like projection from the large intestine.

K. The appendix is a small, finger-like projection from the large intestine.

L. The appendix is a small, finger-like projection from the large intestine.

M. The appendix is a small, finger-like projection from the large intestine.

N. The appendix is a small, finger-like projection from the large intestine.

O. The appendix is a small, finger-like projection from the large intestine.

P. The appendix is a small, finger-like projection from the large intestine.

Q. The appendix is a small, finger-like projection from the large intestine.

R. The appendix is a small, finger-like projection from the large intestine.

S. The appendix is a small, finger-like projection from the large intestine.

T. The appendix is a small, finger-like projection from the large intestine.

U. The appendix is a small, finger-like projection from the large intestine.

V. The appendix is a small, finger-like projection from the large intestine.

W. The appendix is a small, finger-like projection from the large intestine.

X. The appendix is a small, finger-like projection from the large intestine.

Y. The appendix is a small, finger-like projection from the large intestine.

Z. The appendix is a small, finger-like projection from the large intestine.

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.

STATION

Read each statement below and determine if the statement is true, color or shade the corresponding question. If the statement is false, cross it out. When you are finished add the TOTAL of ALL TRUE codes has been provided for you. If the total is 75, the 7 in the first box, the 5 in the second box and so on.

A
75

B
25

C
50

D
100

A. Muscles contract along the esophagus, pushing the food toward the stomach.

B. The esophagus is a tube that carries food from the liver to the stomach.

C. Hydrochloric acid kills any harmful bacteria.

D. The small intestine works with the gall bladder, and pancreas.

E. The first part of the small intestine is the ileum.

F. The gall bladder is located just below the pharynx.

G. Chyme is made up of partially digested food, water, hydrochloric acid, and enzymes.

H. Placing food in your mouth is called ingestion.

4 DIGIT CODE →

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

