

CIRCULATORY SYSTEM

ESCAPE ROOM

The collage features several activity cards:

- Station 1:** A grid with a 4-digit code '2103' and the letter 'J'. Below it, a list of options: A. Laugh, B. Eat well, C. Stay active, D. All of the above. Question 6 asks for the circulatory system also known as, with options: A. Immune system, B. Lymphatic system, C. Endocrine system, D. Cardiovascular system.
- Station 2: PARAGRAPHS:** Instructions to number paragraphs and determine which paragraph contains a statement. A 4-digit code '3102' and the letter 'N' are shown. The statements include: A. Over half of the blood in our body is red blood cells carry oxygen and live up to four months. B. Keep your heart healthy by staying active, getting medical checkups, and eating well. C. Arteries are the thickest of the blood vessels and carry the blood away from the heart. D. The circulatory system works in a cycle that repeats endlessly.
- Station 3: TRUE OR FALSE:** Instructions to color coins based on true/false statements and sum their values. The total is 625, with a 6 provided for the first box and a 2 for the second box. Statements include: A. The arterioles control blood pressure, or the speed at which blood flows. B. A wall called the interventricular septum separates the two ventricles. C. A protein in red blood cells called hemoglobin carries the oxygen. D. The smallest vessels are called capillaries.
- Station 4:** A paragraph about the heart with a 4-digit code '5689' and the letter 'B'. The paragraph describes the heart's chambers, valves, and function.
- Station 5:** A paragraph about the heart with a 4-digit code '5689' and the letter 'M'. The paragraph describes the heart's chambers, valves, and function.

A large white arrow points to the text **STATIONS ACTIVITY** at the bottom. A circular logo with the text **THINK TANK** is also visible.

WHAT'S INCLUDED?

- ✓ READING PASSAGE
- ✓ 5 STATIONS
- ✓ TEACHER GUIDE
- ✓ ANSWER KEY
- ✓ STUDENT DIRECTIONS
- ✓ TEXT MARKING OPTION
- ✓ PROP SIGNS

STATION 1: FILL IN THE BLANK

Use your reading passage to determine the missing words in the paragraph below. Each missing word has a corresponding NUMBER. The 4-digit code for this station will be the NUMBER for each missing word, in the same order in which they appear in the paragraph. Then, record the clue LETTER on your answer sheet.

STATION 2: PARAGRAPHS

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. Paragraph numbers MAY be used more than one time or not at all. Follow the directions below to reveal the 4-digit code and letter clue.

STATION 3: TRUE OR FALSE

Read each statement below and determine if it is true or false. If the statement is true, color the coin on YOUR answer sheet 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 to reveal your letter clue. 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: COMBINATION

Use your reading passage to determine the combination to the 4-digit lock for this station. 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. There is room on your answer sheet to do the math.

STATION 5: MULTIPLE CHOICE

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

ANSWER RECORDING SHEET

Record your answers for each station on this sheet. Then, use the directions below to determine final 4-digit ALPHA code. Ex: HBDR

STATION CODES

LETTER CLUE

STATION 1	→	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	CODE
-----------	---	----------------------	----------------------	----------------------	----------------------	------

A	B	C	D	E	F	
---	---	---	---	---	---	--

STATION 2	→	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	CODE
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ENTER

1

2

3

TEACHER DIRECTION

- 1 Print the reading passage found on [pages 5-6](#) for EACH (front and back).
- 2 Print the answer recording sheet on [page 12](#) for each student group of students.

RECAP: Print pages 5, 6, and 12 for students.

STATION

5

BLUE

THE MISSION

You have been assigned a top-secret mission of utmost importance. A notorious thief has stolen precious gems from a prominent lady, and intelligence reports suggest that they are hidden in a heavily guarded secret vault. In the bustling city of Oakville, Lady Victoria was renowned for her extraordinary

ABOUT THIS ACTIVITY

The reading passage in this packet allows students to practice their comprehension skills after reading the passage. Students will be searching for evidence. Each station includes a question that will reveal a letter clue.

	OVERVIEW
READING PASSAGE	Students will use the reading passage at each station seeking answers and text evidence.
STATION 1	Students will determine the missing word in the paragraph to reveal a 4-digit code.
STATION 2	Students will number the paragraphs in the reading passage to determine where the missing words can be found (paragraph number). After eliminating the incorrect numbers, a 4-digit code will be revealed.
STATION 3	Students will read each statement and determine if it is true or false.



5 STATIONS

STATION 5: MULTIPLE CHOICE

Answer each multiple-choice question below. Then, count how many times you used each letter answer (ABCD) to reveal the code. Letters may be used more than once or not at all. If an option is not used, put an X in that box on your answer sheet.

1. What helps blood clean? _____ cells kill germs and keep blood clean?

A. Platelets
B. Plasma
C. Ventricles
D. Alveoli

2. What will happen if you do to keep your heart healthy?

A. Interventricular septum
B. Cerebellum separates
C. Nasal cavity
D. Interatrial septum

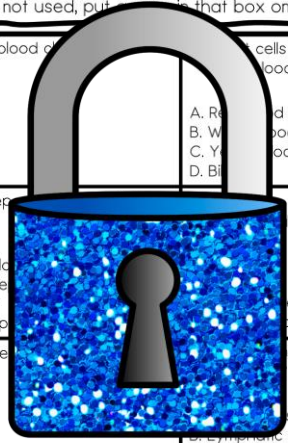
3. What are the components of the circulatory system?

A. Venues
B. Vena Cava
C. Platelets
D. Interventricular septum

A. Red blood cells
B. White blood cells
C. Yellow blood cells
D. Blood

A. Lymphatic system
B. Endocrine system
C. Cardiovascular system

Count how many times you used each letter answer to determine the 4-digit code and record it on your answer sheet.



ANSWER RECORDING SHEET

Record your answers for each station on this sheet. Then, use the directions below to determine final 4-digit ALPHA code. Ex: HBDR

STATION CODES	LETTER CODE
STATION 1: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CODE: _____	
STATION 2: A B C D E F <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CODE: _____	
STATION 3: A B C D E F G H <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CODE: _____	
STATION 4: Do your math in this area: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CODE: _____	
STATION 5: 1 2 3 4 5 6 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CODE: _____	

Final Code: A# B# C# D# CODE: _____

STATION 4: COMBINATION

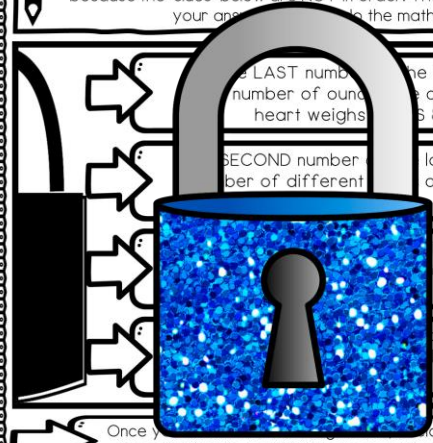
Use your reading passage to determine the combination to the 4-digit lock for this station. You're going to have to use your critical thinking skills and do a tiny bit of math. Pay attention because the "clues" below are NOT in order. There is room on your answer sheet to do the math.

1. LAST number of the lock is the average of 5 and 8.

2. SECOND number of the lock is the number of different types of blood.

3. Once you determine the 4-digit code, decide if the code uses all EVEN #s, all ODD #s or a combination of both.

ALL EVEN ALL ODD COMBO



STATION 1: FILL IN THE BLANKS

Use your reading passage to determine the missing word in each paragraph below. Each missing word has a corresponding NUMBER. The 4-digit code for this station will be the NUMBER of each missing word in which they appear in the paragraph. The code will be a LETTER on your answer sheet.

1. largest _____ 4. oxyge _____ 7. ca _____

2. smallest _____ 5. six _____ 8. sep _____

3. four _____ 6. two _____ 9. hel _____

The heart is divided by valves, which prevent backflow of blood. The wall between the two ventricles is called the interventricular septum. The two ventricles receive blood from the heart. A wall called the atrial septum separates the two chambers. The aorta is the largest artery in the body. The heart pumps blood throughout the body. The heart pumps blood between 60 and 100 times per minute. Each pump sends blood to different parts of the body. Blood carries oxygen and nutrients throughout the body. While it delivers oxygen, it also picks up waste products and delivers them to cells that need it.

Once you determine the 4-digit code, decide if the code uses all EVEN #s, all ODD #s or a combination of both.

ALL EVEN ALL ODD COMBO

B H M



STATION 3: TRUE OR FALSE

Read each statement below and determine if it is true or false. If the statement is true, color the coin on YOUR answer sheet with that question. If the statement is false, cross out that coin. Once you are finished coloring the coins, add up the TRUE coin values to determine the final 4-digit code. One digit will be provided for you to help you get started. For example, if you have 625, a 6 would go in the first box, and a 2 would go in the second box.

A. The heart has four chambers. _____

B. A valve called the interventricular septum separates the two ventricles. _____

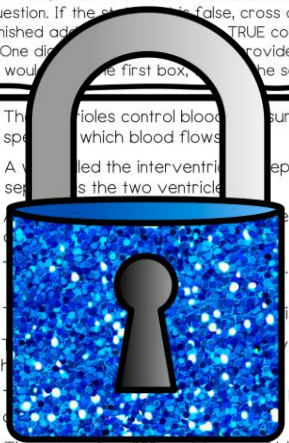
C. Hemoglobin is a protein in red blood cells that carries oxygen. _____

D. There are nine different types of blood vessels. _____

After shading the coins on your answer sheet, add up the values of the TRUE statements to get the final total.

300 425 2

G D



STATION 2: PARAGRAPHS

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. Paragraph numbers MAY be used more than once or not at all. Follow the directions below to determine the 4-digit code and letter clue.

A. Over half of the blood in our body is made up of red blood cells, which carry oxygen and travel up to four months before being replaced.

B. Keep your heart healthy by staying active and getting regular medical checkups.

C. Arteries are blood vessels that carry blood away from the heart because they have thick, muscular walls.

D. The circulatory system never stops working and repeats itself endlessly.

E. The body senses when it needs more blood flow and adjusts accordingly.

F. The main job of the circulatory system is to carry blood throughout the body.

1. ELIMINATE the highest and lowest used paragraph numbers and record the remaining 4-digit code on your answer sheet. 2. Decide which paragraph number was NOT used as a CODE answer.

NO 6 NO 8 NO 4

L C W



STATIONS

ABOUT THIS ACTIVITY

The reading passage in this packet allows students to work on comprehension skills after reading the passage several times searching for evidence. Each station includes a 4-digit code that will reveal a letter clue.


OVERVIEW

READING PASSAGE	Students will use the reading passage at EACH station seeking answers and text evidence.
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 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 "ABCD" answer.
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. (This will increase completion time)

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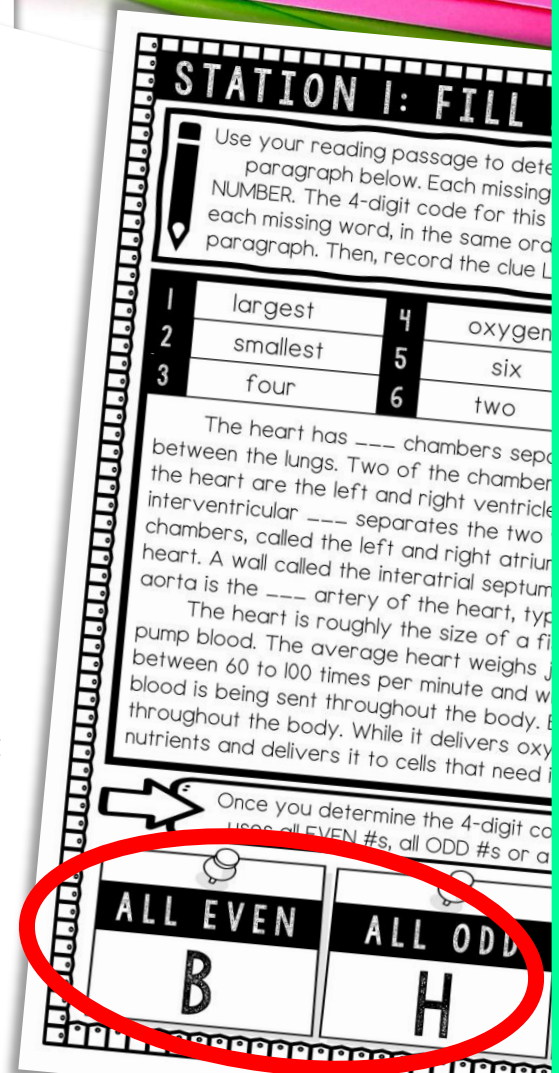
**STUDENTS WILL
USE THE SAME
READING
PASSAGE AT
EACH STATION
SEEKING
ANSWERS AND
TEXT EVIDENCE.**

HOW IT WORKS



ENGAGING READING
COMPREHENSION PRACTICE!

- 1 Students work individually (or in pairs) and visit 5 stations, answer questions, decipher a 4-digit code at each station and grab a "letter" clue for the final alpha code.
- 2 Students will answer the questions (found directly in the passage) on their own recording sheet. Students will have to revisit their reading passage several times at EACH station skimming for answers.



STATION 1: FILL

Use your reading passage to determine the missing word in each paragraph below. Each missing word is a NUMBER. The 4-digit code for this station is the numbers of each missing word, in the same order as they appear in the reading passage. Then, record the clue letter.

1	largest	4	oxygen
2	smallest	5	six
3	four	6	two

The heart has ___ chambers separated between the lungs. Two of the chambers of the heart are the left and right ventricles. The ___ interventricular ___ separates the two chambers, called the left and right atrium of the heart. A wall called the interatrial septum separates the left and right atria. The aorta is the ___ artery of the heart, type of blood vessel that carries oxygenated blood. The heart is roughly the size of a fist and pumps blood. The average heart weighs just over 100 grams and beats between 60 to 100 times per minute and with each beat, blood is being sent throughout the body. The heart also delivers nutrients and delivers it to cells that need it.

Once you determine the 4-digit code for this station, use all EVEN #s, all ODD #s or a combination of even and odd numbers to determine the clue letter.

ALL EVEN	ALL ODD
B	H

BENEFITS

- ✓ STATIONS AND MOVEMENT
- ✓ CLOSE READING
- ✓ COMPREHENSION SKILLS
- ✓ SECRET CODES
- ✓ CITING EVIDENCE
- ✓ CRITICAL THINKING
- ✓ PRINT AND GO
- ✓ ACTIVE LEARNING
- ✓ CROSS-CURRICULAR
- ✓ HIGHLY ENGAGING
- ✓ NO LOCKS NEEDED
- ✓ NO SILLY ENVELOPES TO STUFF
- ✓ NO ODD SHAPES TO CUT OUT



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

USE FOR:



ANTICIPATORY SETS



UNIT REVIEW



EARLY FINISHERS



STATIONS



REWARD ACTIVITY



CENTERS



SUB PLANS



PARTNER WORK



ENRICHMENT

