

# RESPIRATORY SYSTEM

## ESCAPE ROOM

**Station 1: Multiple Choice**

6. What are experts that diagnose breathing issues and lung problems called?

- A. Larynx
- B. Trachea
- C. Diaphragm
- D. Kidney

**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 NUMBER may be used more than one time or not at all. The directions below to reveal the 4-digit code and letter.

**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: Reading Passage**

From the pharynx, at the back of the throat, there are passages that travel down the body. The esophagus, which is for food, and the airway passage. Air travels down the passage and goes through the trachea (\_\_\_\_). The windpipe filters the \_\_\_\_ of the air. The trachea is covered by a flap of tissue called the epiglottis which prevents food and liquids from entering the larynx or pharynx. At the end of the trachea are two main tubes called bronchi. Each one leads to a lung. The bronchi continue to branch out and divide into smaller and smaller branches (similar to a tree trunk with all of its branches). Finally, tiny air sacs called alveoli can be found at the end of the branches. There are over 600 million alveoli and each one has blood vessels called \_\_\_\_.

**Station 5: Logic Puzzle**

breathes on average MINUS 9.

The FIRST number of the lock is the number of pounds that the lungs weigh together MINUS 1.

The THIRD number of the lock is the number of viruses can cause the common cold MINUS 191.

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

**Station 6: Reading Passage**

The human body has many important systems with different organs to help keep these systems work with different organs to help keep the respiratory system is necessary because it is how humans to take in oxygen and get rid of carbon dioxide. The respiratory system includes the lungs, and diaphragm. Each time a person breathes, oxygen is a gas that is used for energy. Oxygen is also needed to help the body to use. In addition to breathing, humans sneeze. Inspiration is the inhaling of air and expiration is the exhaling of air. An adult breathes about 44 times per minute. A sleeping adult breathes 6 to 12 times per minute. The body in two

**Station 7: Multiple Choice**

7. temperature

8. four

9. gallbladder

10. arteries

11. two

12. windpipe

13. B

14. ALL EVEN

15. ALL ODD

16. COMBO

17. K

18. P

19. J

20. N

21. 2103

22. 1302

23. 25

24. 75

25. 100

26. 100

27. 100

28. 100

29. 100

30. 100

31. 100

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100. 100

**THINK TANK**

**STATIONS ACTIVITY**

# 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
-----------	---	----------------------	----------------------	----------------------	----------------------	------

# 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

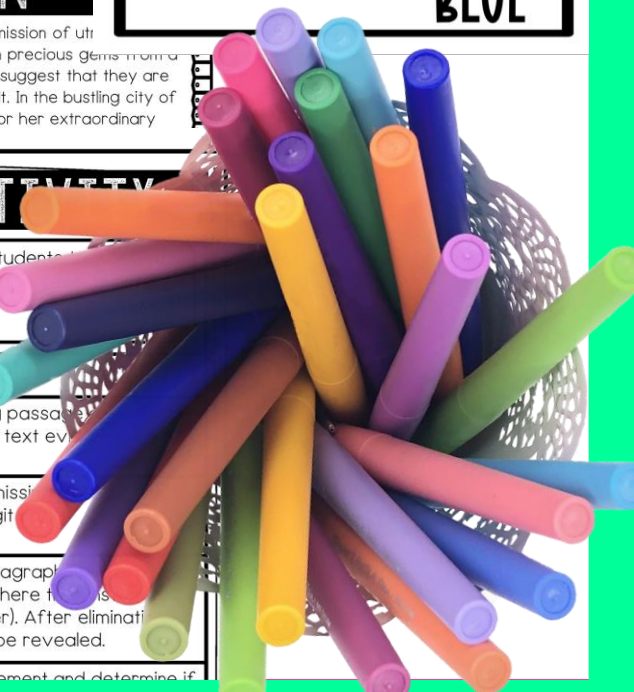
## THE MISSION

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 the number of 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. At the end of the trachea, the airway branches into many ways does the main tubes called \_\_\_\_\_.

A. Jejunum  
B. Bronchi  
C. Cilia  
D. Retina

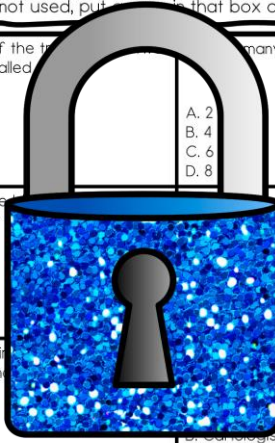
2. Oxygen in the blood is picked up by \_\_\_\_\_ in the \_\_\_\_\_ part of the body.

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

3. What tiny hair-like structures help experts that clean out mucus and \_\_\_\_\_ from the respiratory tract?

A. Alveoli  
B. Cilia  
C. Enzymes  
D. Bronchi

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 CODES
STATION 1: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>
STATION 2: <b>A</b> <b>B</b> <b>C</b> <b>D</b> <b>E</b> <b>F</b>	<input type="text"/>
STATION 3: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>
STATION 4: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>
STATION 5: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>

Do your math in this area:

1 2 3 4 5 6

A#  B#  C#  D#

## 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. The LAST number of the lock is the number of sets of \_\_\_\_\_ the lungs are protected by. (US 10.)

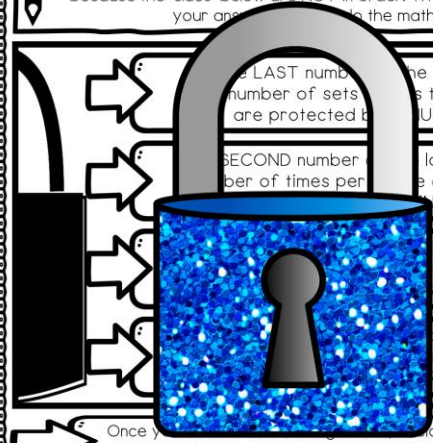
2. The SECOND number of the lock is the number of times per \_\_\_\_\_ an adult \_\_\_\_\_ US 9.

3. The THIRD number of the lock is the \_\_\_\_\_ of the lungs \_\_\_\_\_ l.

4. The FOURTH number of the lock is the \_\_\_\_\_ of the \_\_\_\_\_ the \_\_\_\_\_ l.

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 the order in which they appear in the paragraph. Then, use the letter clue on your answer sheet to determine the 4-digit code.

1. \_\_\_\_\_ capillaries \_\_\_\_\_ six \_\_\_\_\_ 7. \_\_\_\_\_ tempera-

2. \_\_\_\_\_ humidity \_\_\_\_\_ 5. \_\_\_\_\_ two \_\_\_\_\_ 8. \_\_\_\_\_ fa-

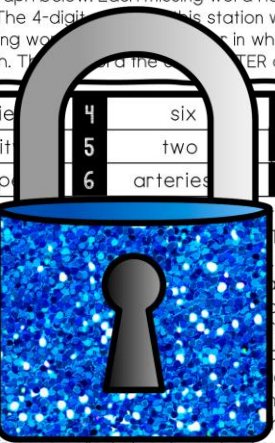
3. \_\_\_\_\_ windpipes \_\_\_\_\_ 6. \_\_\_\_\_ arteries \_\_\_\_\_ 9. \_\_\_\_\_ gallbl-

From the \_\_\_\_\_ passage through the throat, the \_\_\_\_\_ passage \_\_\_\_\_ the esophagus. Air travels through the passage \_\_\_\_\_ (\_\_\_\_). The \_\_\_\_\_ filters the \_\_\_\_\_ covered by \_\_\_\_\_ tissue called \_\_\_\_\_ entering the \_\_\_\_\_ of the tract. \_\_\_\_\_ two main tubes \_\_\_\_\_ to a lung. \_\_\_\_\_ bronchi continue into smaller \_\_\_\_\_ smaller branches \_\_\_\_\_ all of its branches. Finally, tiny air sacs called alveoli can be found at the end of the branches. There are over 600 million alveoli and each has blood vessels called \_\_\_\_\_.

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 that matches that question. If the statement is false, cross out that coin. Once you are finished coloring the coins, use the TRUE coin values to determine the 4-digit code. One digit is provided for you: 625, a 6 would go in the first box, and the second box would be \_\_\_\_\_.

A 75  
B 25  
C 50  
D 100

A. Air \_\_\_\_\_ the body in two \_\_\_\_\_ the nose and \_\_\_\_\_ the \_\_\_\_\_.

B. The \_\_\_\_\_ is covered by \_\_\_\_\_ of tissue called \_\_\_\_\_ alveoli.

C. \_\_\_\_\_ of the \_\_\_\_\_.

D. \_\_\_\_\_ the diaphragm \_\_\_\_\_.

E. \_\_\_\_\_ \_\_\_\_\_ and \_\_\_\_\_.

F. \_\_\_\_\_ \_\_\_\_\_, while \_\_\_\_\_.

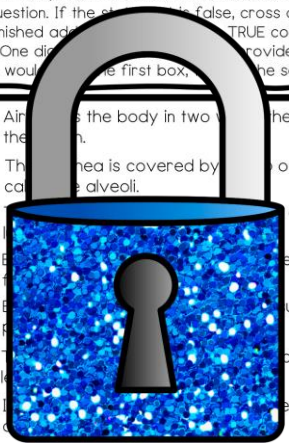
G. \_\_\_\_\_ \_\_\_\_\_ out mucous \_\_\_\_\_.

H. In addition to breathing, respiration enables us to talk, hiccup, cough, and sneeze.

After shading the coins on your answer sheet, use the TRUE statements to get the final total.

**350**   **425**   **3**

**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. An average person \_\_\_\_\_ and exhales \_\_\_\_\_ over 20,000 times a day!

B. From the pharynx \_\_\_\_\_ the back of the \_\_\_\_\_ there are two passages that \_\_\_\_\_.

C. Lungs are covered by \_\_\_\_\_ that can easily stretch without \_\_\_\_\_.

D. The respiratory system \_\_\_\_\_ it is how humans breathe \_\_\_\_\_.

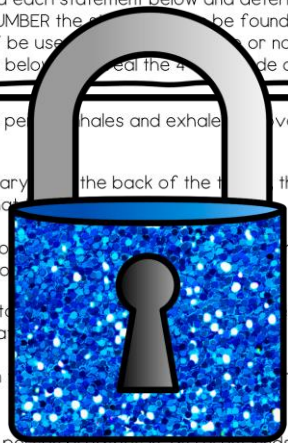
E. The blood in the \_\_\_\_\_ from the air in the alveoli.

F. Each time a person breathes in, different kinds of gas enter 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 2**   **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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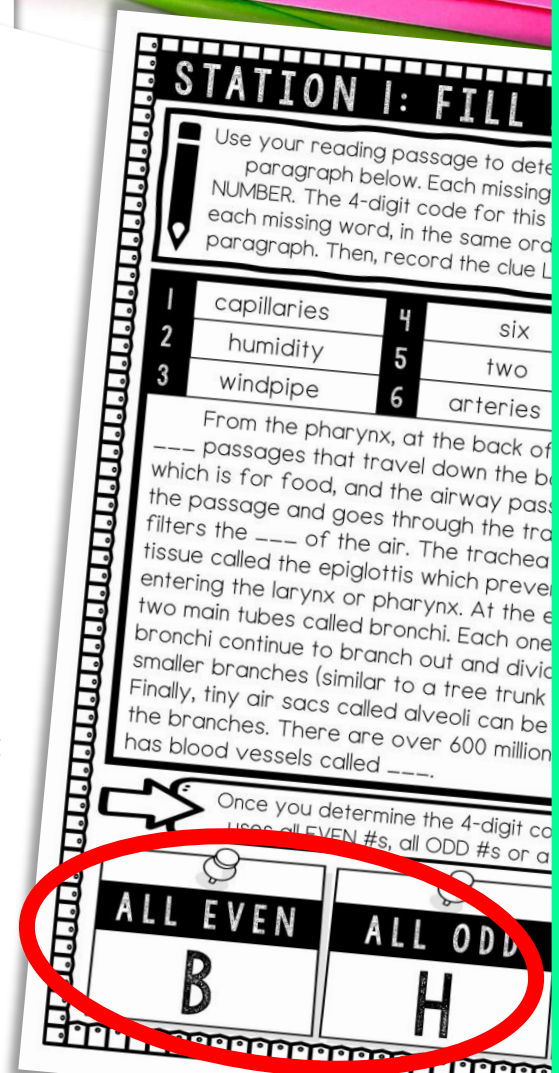
**STUDENTS WILL  
USE THE SAME  
READING  
PASSAGE AT  
EACH STATION  
SEEKING  
ANSWERS AND  
TEXT EVIDENCE.**

# 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 represented by a NUMBER. The 4-digit code for this station is \_\_\_\_\_. Write each missing word, in the same order as the numbers, in the same order as the paragraphs. Then, record the clue L

1	capillaries	4	six
2	humidity	5	two
3	windpipe	6	arteries

From the pharynx, at the back of the neck, two passages that travel down the back of the throat. One passage is for food, and the airway passage is for air. The airway passage goes through the trachea, which filters the \_\_\_\_\_ of the air. The trachea is lined with tissue called the epiglottis which prevents food from entering the larynx or pharynx. At the end of the trachea, two main tubes called bronchi. Each one branches into smaller branches (similar to a tree trunk). Finally, tiny air sacs called alveoli can be found at the end of the branches. There are over 600 million alveoli in the lungs. Each has blood vessels called \_\_\_\_\_.

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 letter clue.

ALL EVEN	ALL ODD
B	H

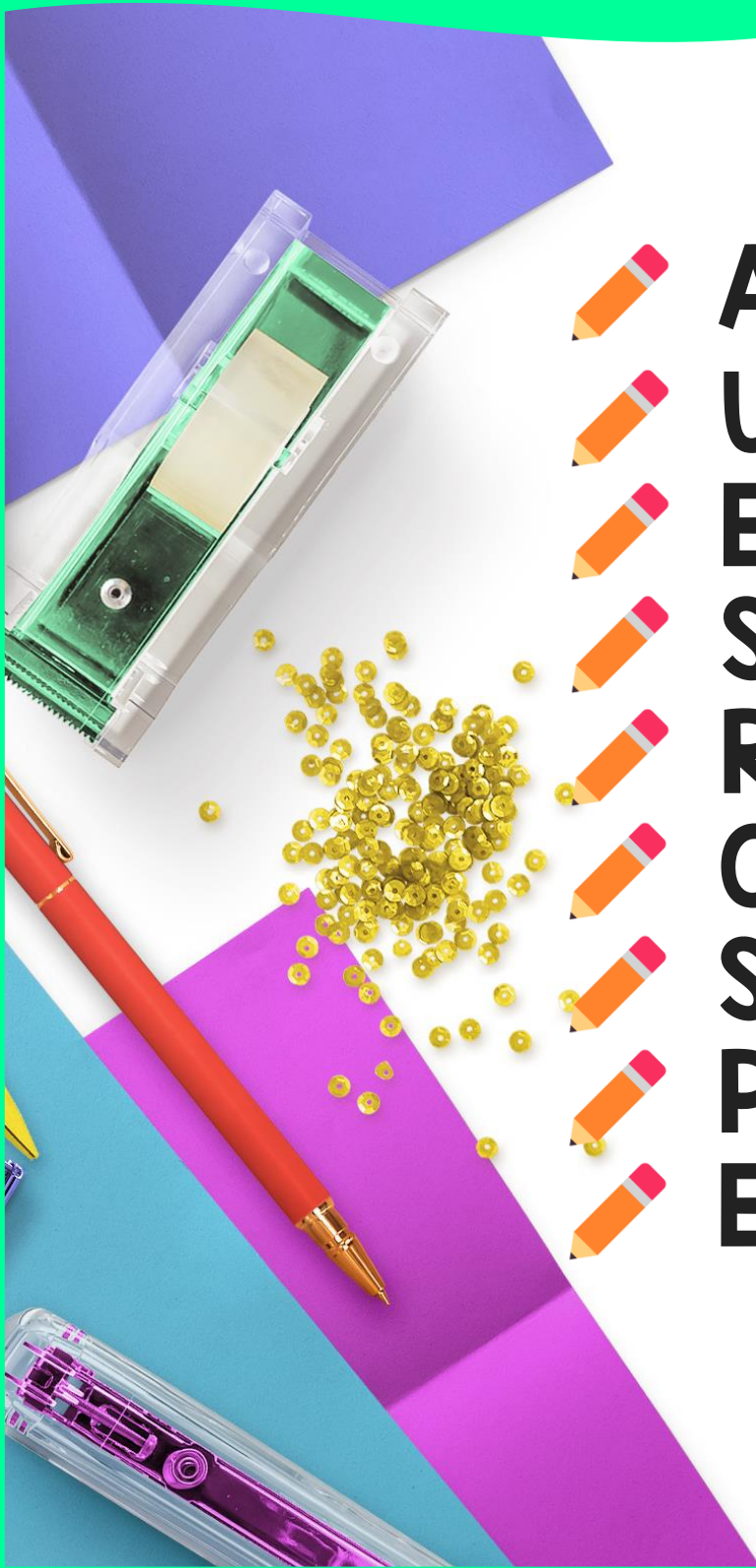









# BENEFITS

- ✓ 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**