

GENETICS AND DNA

DIGITAL ESCAPE™

PUZZLE 5

DECODE THE MISSING WORDS TO THE STATEMENT FOUND BELOW. YOU'LL NEED THIS ANSWER TO MOVE ON.

A	B	C
D	E	F
G	H	I

J	K	L
M	N	O
P	Q	R

	S	
T	X	U
	V	

	W	
X	Y	Z

A square diagram that is used to predict the genotypes...

□ V □ □ □ □ □ □
□ □ □ □ □ □ □ □
□ □ □ □ □ □ □ □
□ □ □ □ □ □ □ □



6 PASSAGES

DNA and genes are found in the human body, and they are what make each human different. When a baby is born, genes are passed down from the parents to the offspring. Genetics explains how babies get some of their parents' features but not others.

DNA stands for deoxyribonucleic acid, and it is unique to each human. It is a molecule found in each cell of the human body. DNA is made up of molecules called nucleotides. DNA has four types of bases or nucleotides: adenine (A), thymine (T), cytosine (C), and guanine (G). DNA is composed of nucleotides in a specific order. Every 3 letters are called a codon and they all connect together like a chain. There are thousands of letters in DNA held together by phosphate and deoxyribose. Each person has a unique sequence (order) of the nucleotide letters, and this determines how one person will be different from another. A double helix is the name given to the spiral ladder shape of DNA molecules.

12 QUESTIONS

MULTIPLE CHOICE AND SHORT ANSWER

DNA has ____ types of bases.

☐ 4

☐ 6

☐ 8

☐ 12

Every three letters are called a ____.

Think first then type your answer. No second chance

type answer here

6 PUZZLES

Should students get "stuck" on a puzzle, hint cards can be found throughout the escape room.

PUZZLE 6 DECODE THE MISSING BELOW. YOU'LL NEED THE KEY.

	1	2	3	4	5	
1		D	B	E		C
2		K		H	I/J	F
3			P	N	O	M
4		T	R		Q	S
5			Z	X	V	W

Example: The letter "C" would be 5-I.

PUZZLE 1 DECODE THE MISSING BELOW. YOU'LL NEED THE KEY.

Birds cannot lo

Key:
Apple = A, Bird = B, Car = C, Dog = D, Egg = E, Fish = F, Flower = G, House = H, Ice Cream = I, Leaf = J, Mushroom = K, Noun = L, Verb = M, Adjective = N, Preposition = O, Conjunction = P, Interjection = Q, Article = R, Pronoun = S, Demonstrative = T, Possessive = U, Indefinite = V, Relative = W, Subordinating = X, Coordinating = Y, Other = Z.

PUZZLE 3 DECODE THE MISSING BELOW. YOU'LL NEED THE KEY.

In the Outer Court

2-1, 1-4, 1-3 3-6, 1-9 1-5,

PUZZLE 5 DECODE THE MISSING BELOW. YOU'LL NEED THE KEY.

A	B	C	J	K	L
D	E	F	M	N	O
G	H	I	P	Q	R

Key:
S = 1, T = 2, U = 3, V = 4, W = 5, X = 6, Y = 7, Z = 8.

PUZZLE 4 DECODE THE MISSING WORD BELOW. YOU'LL NEED THE KEY.

The In

is b

KZ

V

GIZM

PUZZLE 2 DECODE THE MISSING BELOW. YOU'LL NEED THE KEY.

Back in the day, you would have to press the number multiple times to find a letter to send a text message.

Key:
1 = A, 2 = B, 3 = C, 4 = D, 5 = E, 6 = F, 7 = G, 8 = H, 9 = I, 10 = J, 11 = K, 12 = L, 13 = M, 14 = N, 15 = O, 16 = P, 17 = Q, 18 = R, 19 = S, 20 = T, 21 = U, 22 = V, 23 = W, 24 = X, 25 = Y, 26 = Z.

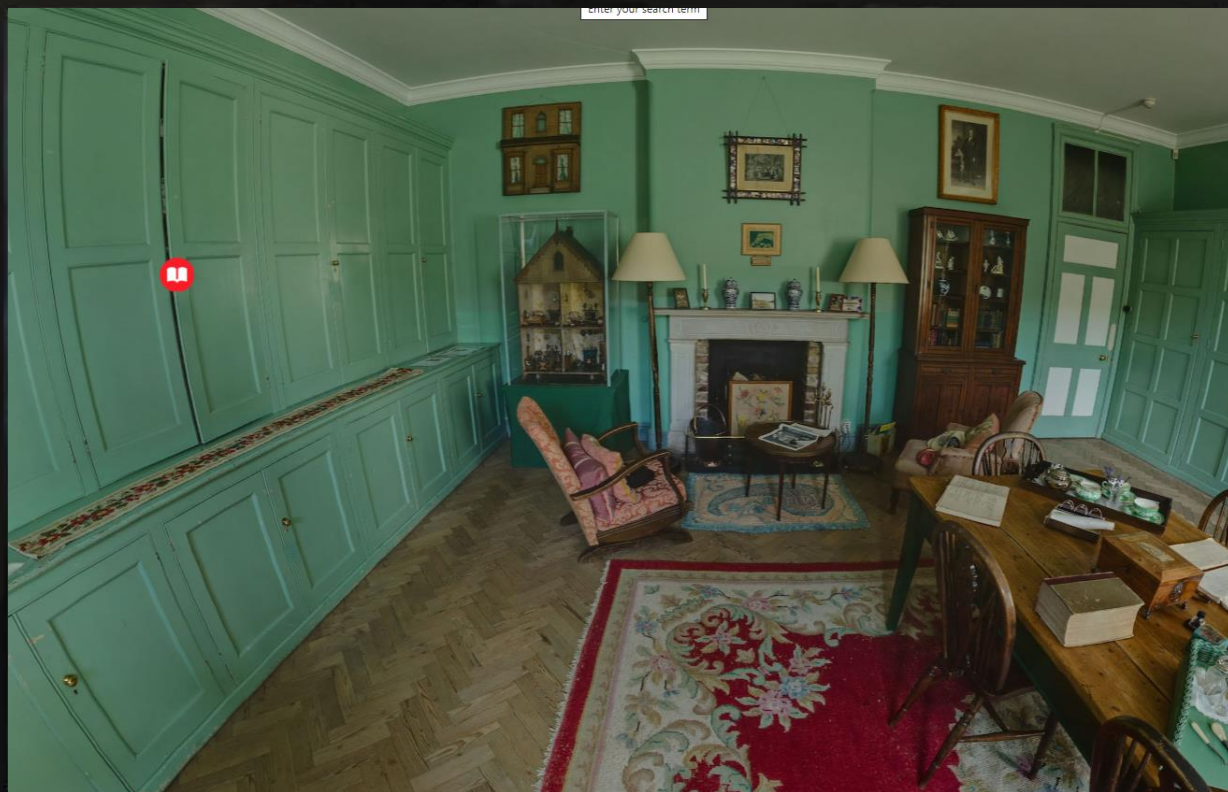
SAMPLE

Test the Link and solve some
TEACHER PUZZLES!

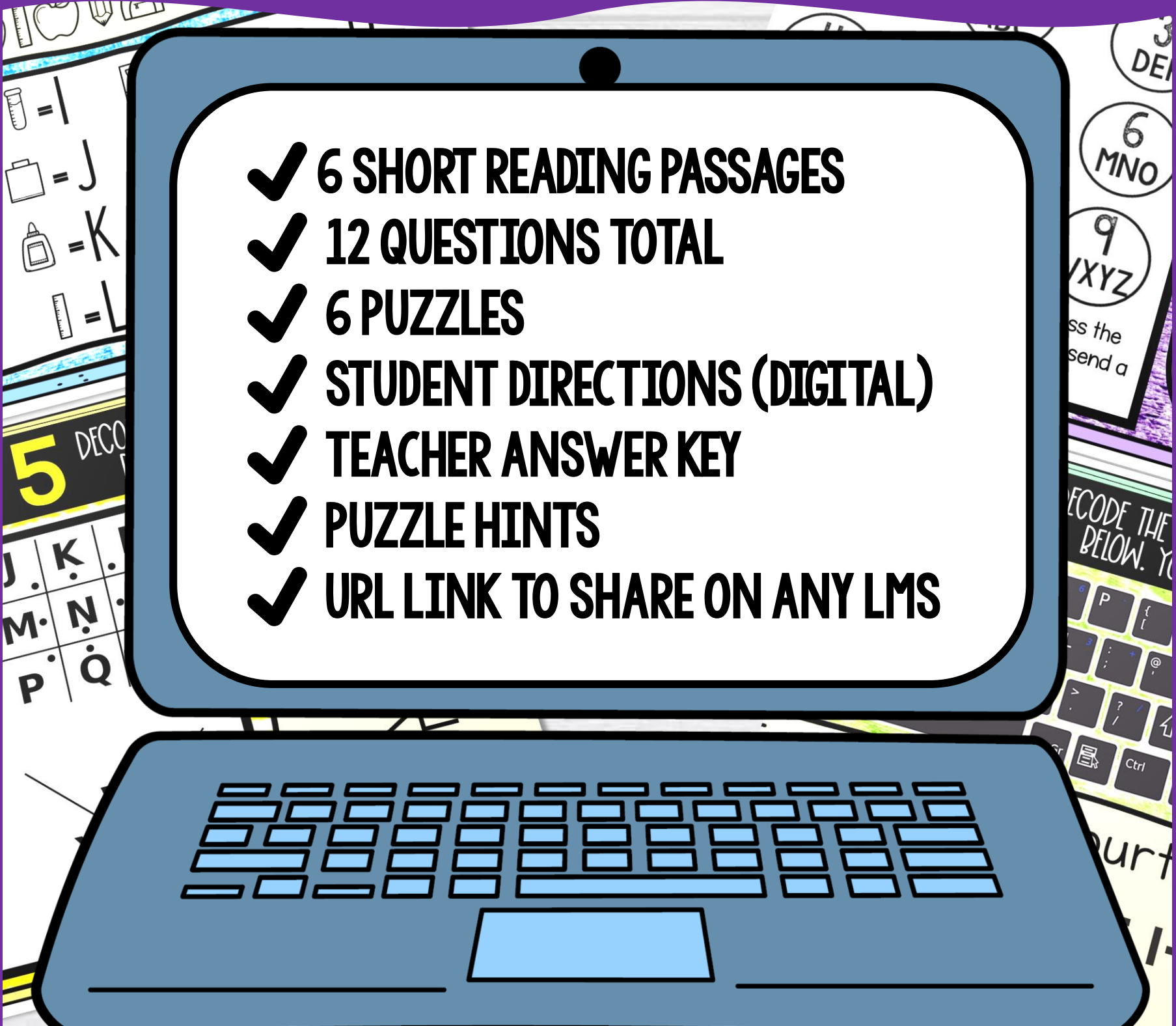
CLICK HERE

360° VIEW

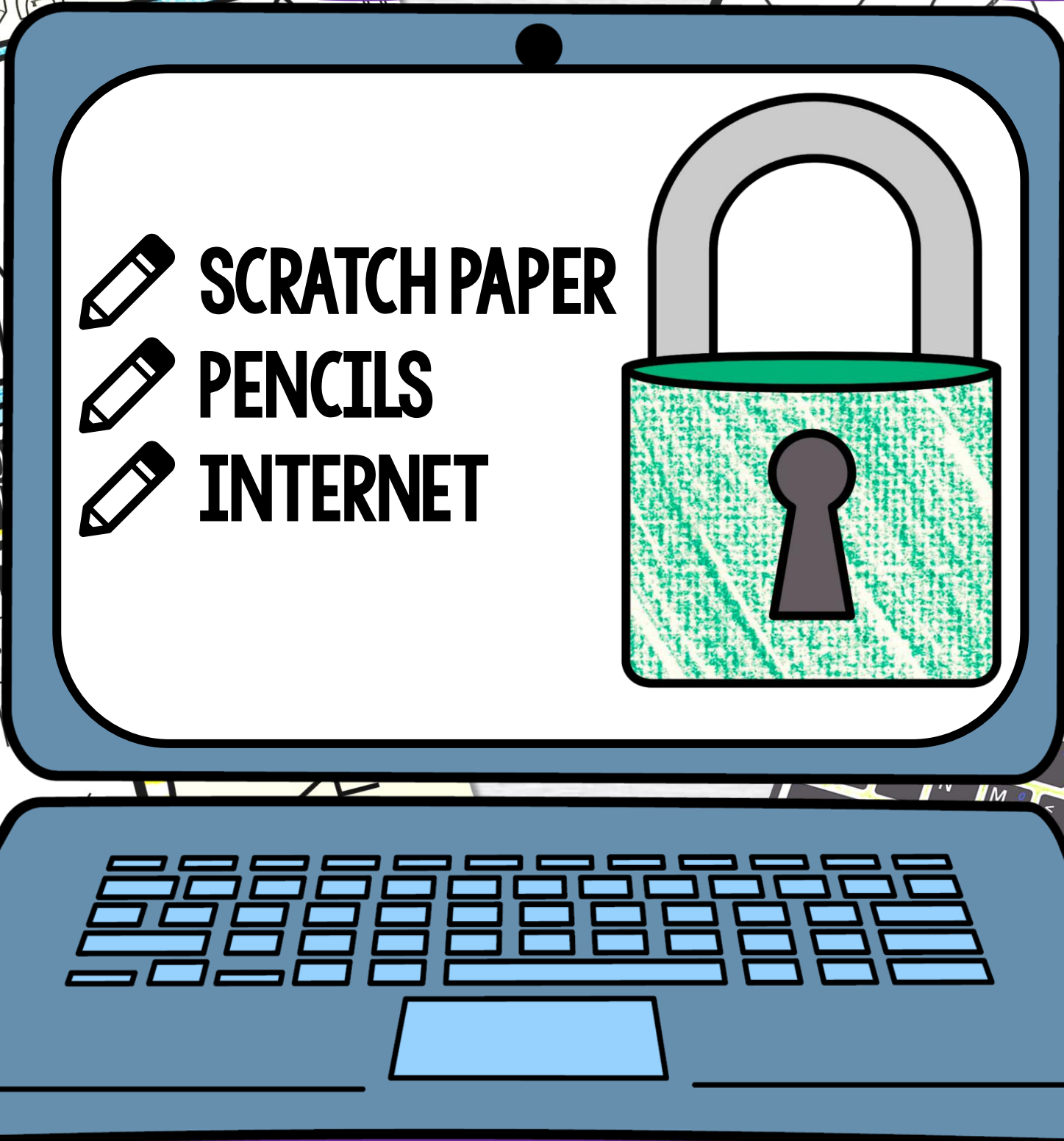
DRAG the mouse OR keypad to move the
SCREEN FOR a 360° View!



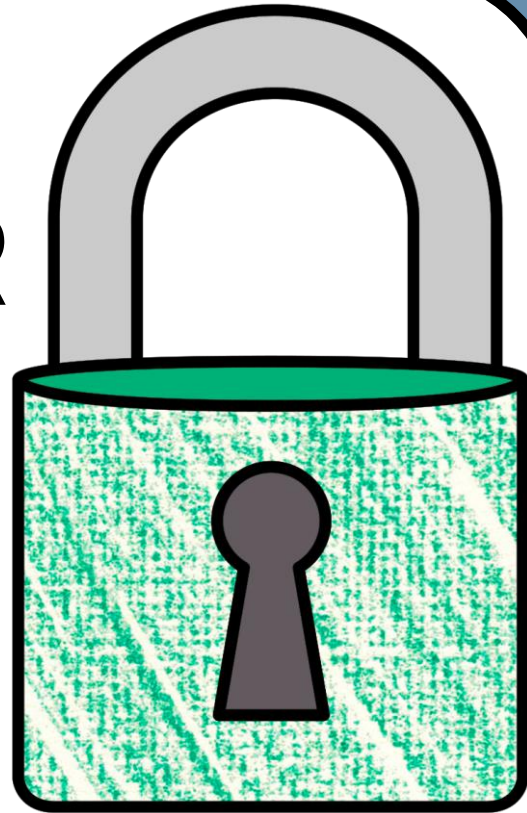
WHAT'S INCLUDED?

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- ✓ 6 SHORT READING PASSAGES
 - ✓ 12 QUESTIONS TOTAL
 - ✓ 6 PUZZLES
 - ✓ STUDENT DIRECTIONS (DIGITAL)
 - ✓ TEACHER ANSWER KEY
 - ✓ PUZZLE HINTS
 - ✓ URL LINK TO SHARE ON ANY LMS

WHAT'S NEEDED?



 **SCRATCH PAPER**
 **PENCILS**
 **INTERNET**



BENEFITS OF USE



SELF-GRADING



IMMEDIATE STUDENT FEEDBACK



PAPERLESS



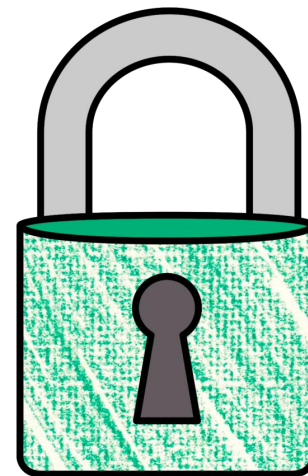
NO PREP



SAVES YOU TIME



CRITICAL THINKING



OPTIONS FOR USE

-  **FRONT-LOADING**
-  **GROUP STATIONS**
-  **SUB PLANS**
-  **UNIT REVIEW**
-  **ENRICHMENT ACTIVITY**
-  **TEAMWORK ACTIVITY**
-  **REWARD ACTIVITY**

