

# ISAAC NEWTON

## ESCAPE ROOM

A. Blue rays  
B. White light  
C. Green acoustics  
D. Yellow photons

6 Where was Isaac Newton born?  
A. England  
B. France  
C. United States  
D. Germany

How many times you used each letter answer (ABCD) to solve the 4-digit code and record it on your answer sheet.

2103	1203
J	N

was born MINUS 20.

The FIRST number of the lock is the number of laws of motion Newton outlined MINUS 2.

The THIRD number of the lock is the year Isaac Newton passed away MINUS 1719.

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
	K	P

Victoria 5 chemistry 7  
6 ecology 8  
Anne 9 Inertia  
Reversal

Newton's three laws of motion laid the foundation for states that any object in motion, also known as the Law of direction and at the same speed) until a force acts on it. Likewise, an object at rest remains at rest until a force acts upon it. Newton's Second Law of Motion, the Law of Acceleration, states that the larger the force, the more acceleration an object uses the formula: force = mass times acceleration ( $F=ma$ ). The third law, the Law of Reciprocal Actions, states that every action has an equal and opposite reaction.

In 1705, Queen Anne knighted him, and he became Sir Isaac Newton. It remains unclear why Newton was knighted.

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		M

**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. Use the directions below to reveal the 4-digit code and letter clue.

- A Newton lived a solitary life without lots of friends.
- B Isaac Newton was one of the most influential scientists in history.
- C In 1661, Newton enrolled in Cambridge University in to study science and math.
- D Newton was working with white light when he discovered light's visible spectrum.

**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.

A 75	E 100
B 25	F

- A. Newton was fascinated with the emerging idea that claimed planets traveled around the sun.
- B. Newton's Second Law of Motion was the Law of Reciprocal Actions.
- C. The unit of force is named after Isaac Newton.
- D. Newton was working with white light when he discovered light's visible spectrum.

**ISAAC NEWTON**

Isaac Newton was one of the most influential scientists who played a critical role in the scientific revolution with his ideas in motion, astronomy, and mathematics. His concepts remained relevant for centuries.

Newton was born into a family of farmers, died before his father, a farmer, died before he went to school to work on the family farm, and Isaac was so smart that he was able to claim the planets traveled around the sun.

In 1661, Newton enrolled in Cambridge University to study science and math. He was so smart that he claimed the planets traveled around the sun, which was a heliocentric model and challenged the geocentric model of the universe.

While at Cambridge, from 1665 to 1667, Newton was suffering from a deadly disease that is called the bubonic plague. He was born in Woolsthorpe.

**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 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 does the "m" in Newton's First Law of Motion stand for?  $F=ma?$  What is light also known as?

A. Mass  
B. Mitosis  
C. Metamorphic  
D. Meters

A. Alpha  
B. Omega  
C. Hertz  
D. Heliocentric

2. Which of Newton's laws is known as the "law of inertia"?

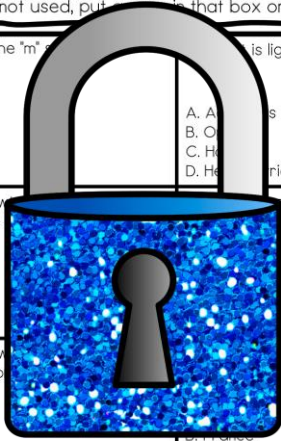
A. First  
B. Second  
C. Third  
D. Fourth

3. What did Newton develop theories about?

A. Astronomy  
B. Gravity  
C. Mathematics  
D. All of the above

A. France  
B. England  
C. United States  
D. Germany

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"/>	
STATION 2: <b>A</b> <b>B</b> <b>C</b> <b>D</b> <b>E</b> <b>F</b>	
STATION 3: <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"/>	
STATION 5: <b>1</b> <b>2</b> <b>3</b> <b>4</b> <b>5</b> <b>6</b>	

Do your math in this area:

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.

LAST number of the lock is 704.

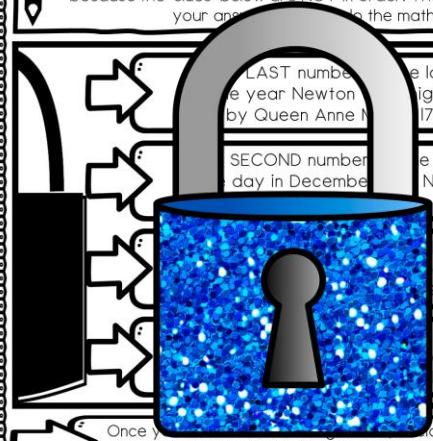
SECOND number of the lock is Newton.

lock is 2.

lock on 9.

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. The code will be recorded on your answer sheet.

1. mass      4. physics      7. An  
2. speed      5. chemist      8. Iner  
3. Victor      6. ecolog      9. Rev

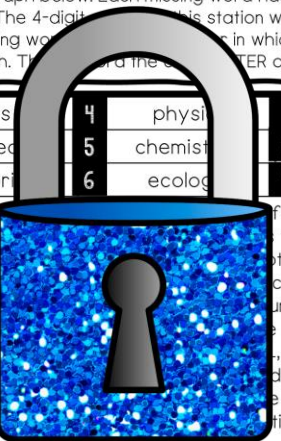
Newton's First Law of Motion states that an object in motion (in the direction and at the same speed) will continue in that direction unless a force acts upon it. Newton's Second Law of Acceleration states that the more force needed to make an object accelerate, the more force = mass times acceleration. His third law, the Law of Reciprocal Actions, states that every action has an equal and opposite reaction.

In 1705, Queen \_\_\_\_\_ knighted him, and he became Sir Isaac Newton. It remains unclear why Newton was knighted.

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

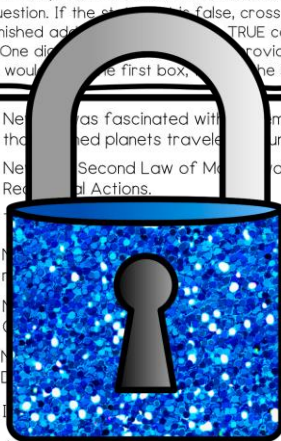
Read each statement below and determine if it is true or false. If the statement is true, color the coin on YOUR answer sheet that corresponds with that question. If the statement is false, cross out that coin. Once you are finished coloring the coins, add up the values of the TRUE coin values to determine the final 4-digit code. One digit of the code will be provided for you.

A 75      A. Newton was fascinated with emerging ideas and the sun.  
B 25      B. Newton's Second Law of Motion is the Law of Reciprocal Actions.  
C 50      C. Newton's First Law of Motion is the Law of Reciprocal Actions.  
D 100      D. Newton discovered gravity when he was a child.  
E. Newton discovered gravity when he was a child.  
F. Newton discovered gravity when he was a child.  
G. Newton discovered gravity when he was a child.  
H. According to legends, Newton discovered gravity when an apple fell on his head.

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

**300**   **350**   **400**

**G**   **D**   **H**



## 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.

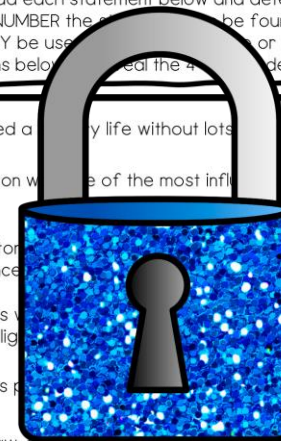
**A** Newton lived a very busy life without lots of friends.  
**B** Isaac Newton was one of the most influential scientists in history.  
**C** In 1661, Newton moved to Cambridge in England to study science.  
**D** Newton was a very young child when he made his first discovery, light.  
**E** Newton was a very young child when he made his first discovery, light.  
**F** Newton was a very young child when he made his first discovery, light.

The third law, the Law of Reciprocal Actions, states that every action has an equal and opposite reaction.

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

**NO 2**   **NO 6**   **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)

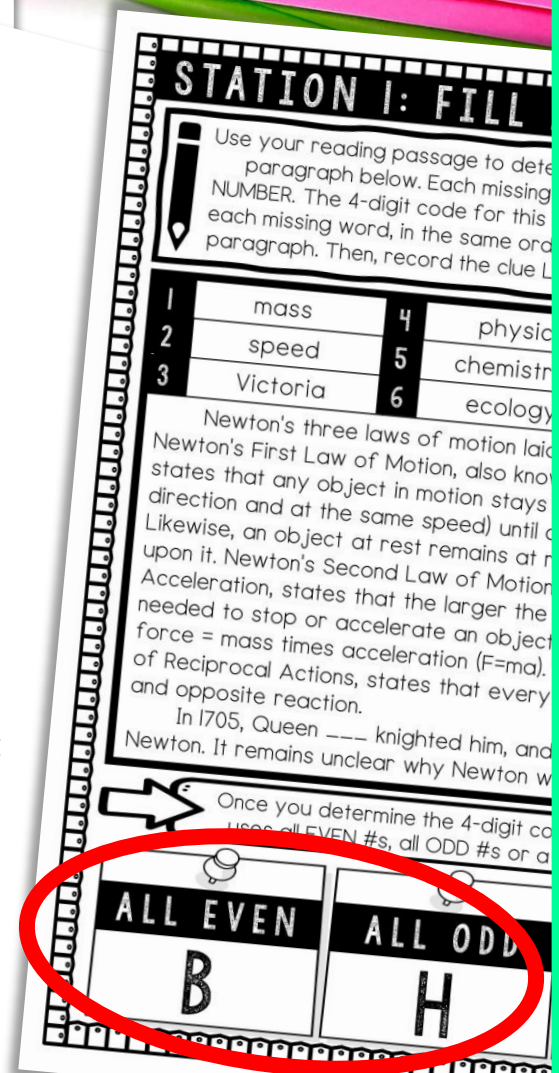
**STUDENTS WILL  
USE THE SAME  
READING  
PASSAGE AT  
EACH STATION  
SEEKING  
ANSWERS AND  
TEXT EVIDENCE.**

# 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 \_\_\_\_\_ . Use the code to decipher each missing word, in the same order as the numbers. Then, record the clue letter.

1	mass	4	physic
2	speed	5	chemistr
3	Victoria	6	ecology

Newton's three laws of motion laid the foundation for classical mechanics. Newton's First Law of Motion, also known as the Law of Inertia, states that any object in motion stays in motion with the same speed and in the same direction and at the same speed) until acted upon by a net external force. Likewise, an object at rest remains at rest unless acted upon by a net external force upon it. Newton's Second Law of Motion states that the acceleration of an object is directly proportional to the net force needed to stop or accelerate an object and is inversely proportional to its mass. The equation for Newton's Second Law is Force = mass times acceleration ( $F=ma$ ). Newton's Third Law of Motion, also known as the Law of Reciprocal Actions, states that every action has an equal and opposite reaction.

In 1705, Queen \_\_\_\_\_ knighted him, and he became Sir Isaac Newton. It remains unclear why Newton was knighted.

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

ALL EVEN	ALL ODD
B	H



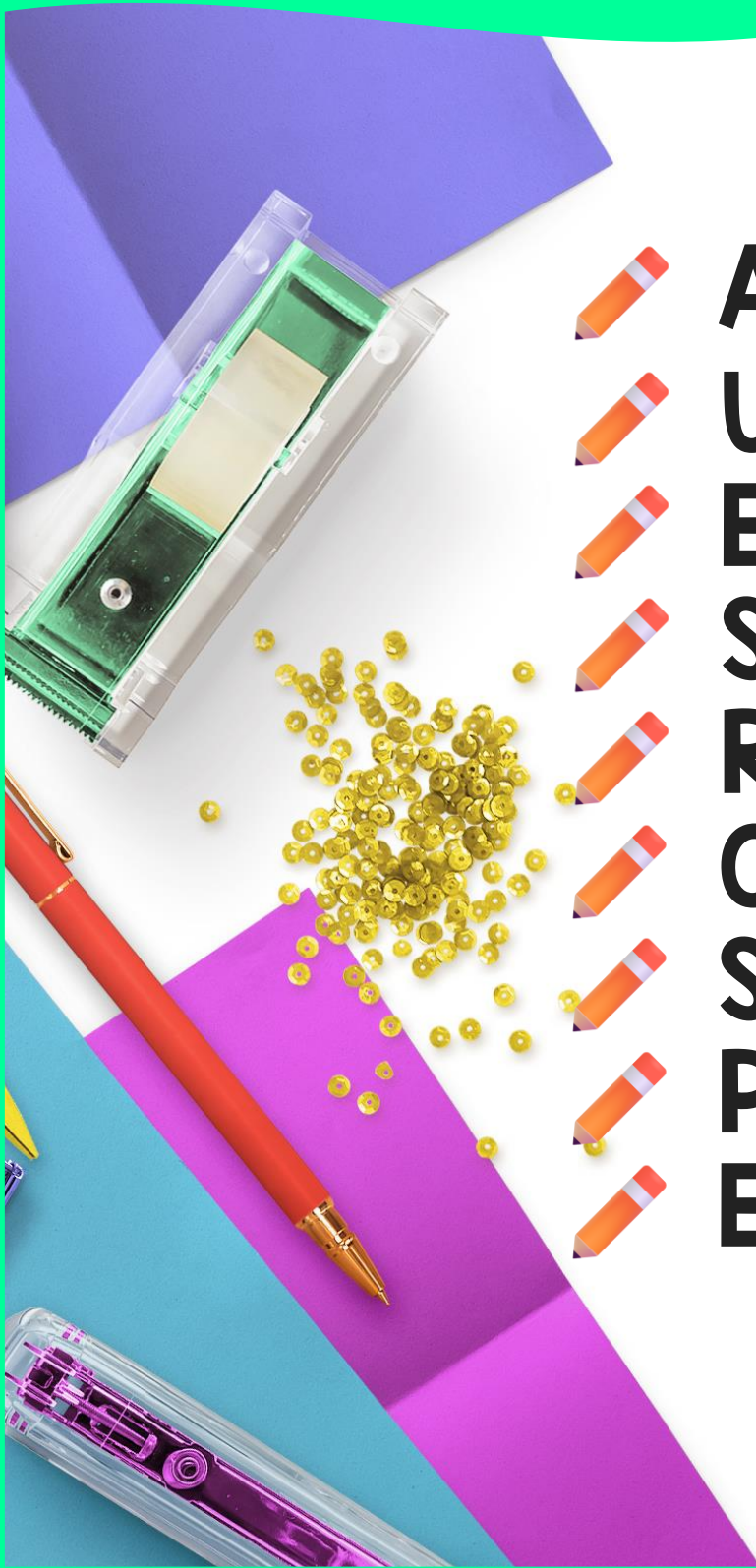









# BENEFITS

- ✓ 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**