

GALILEO GALILEI

ESCAPE ROOM

Station 1: Multiple Choice

6. What is Galileo's Siderius Nuncius also known as?

- A. Starry Messenger
- B. Scientific Method
- C. On Motion
- D. None of the above

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 let the door open.

A. Io, Ganymede, Europa, and Callisto were named the moons in his honor.

B. It was during this time that he wrote Du Motu, or On Two World Systems.

C. Copernicus was the first to suggest that the sun was the center of the Solar System.

D. Galileo Galilei was an astronomer, scientist, mathematician, inventor, and accomplished musician.

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. In 1632, Galileo wrote Dialogue Concerning the Two Chief World Systems.
- B. Today, Galileo is considered the "Father of Chemistry."
- C. Galileo's work helped pave the way for the scientific method.
- D. The original telescope was invented by Galileo.

Code Puzzle

MINUS 1642.

The FIRST number of the lock is the year the telescope was invented in the Netherlands MINUS 1600.

The THIRD number of the lock is the day in February that Galileo was born MINUS 13.

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

Code Options: ALL EVEN (J), ALL ODD (K), COMBO (P)

Reading Passage: GALILEO GALILEI

Galileo Galilei was an astronomer, scientist, mathematician, and accomplished musician. He was born in Pisa, Italy on February 15, 1564. Galileo grew up during the Italian Renaissance. The Renaissance was a time of rebirth for education, science, art, and literature. Galileo's life was full of challenges. He also studied and challenged ideas of ancient Greek philosophers. When Galileo attended the University of Pisa, he hoped to become a doctor of medicine, but he was later forced to leave school because he was interested in mathematics and science. He was later forced to leave school due to financial difficulties and instead found an observation post at the Cathedral of Pisa. He noticed a chandelier swinging from the ceiling and noticed that the time it took to swing back and forth was the same amount of time it took to swing forward. He began testing his theory with balls, levers, and other objects, noting detailed observations of the law of the pendulum. This discovery later became known as Galileo's law of the pendulum.

Code Puzzle

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

Code Options: ALL EVEN (B), ALL ODD (M), COMBO (A)

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
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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

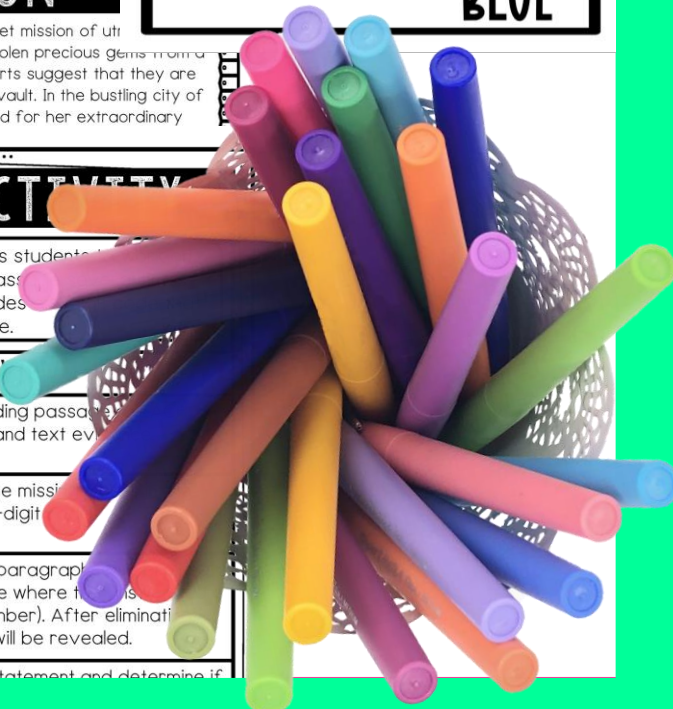
THE MISSION

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. 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

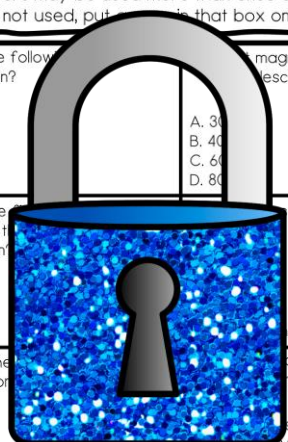
Answer each multiple-choice question below. Then, count the number of times you used each letter answer (ABCD) to reveal the code. Letters may be used more than once or not at all. An option is not used, put an X in that box on your answer sheet.

1. Which of the following is a Galilean moon?
 A. Ganymede
 B. Titan
 C. Callisto
 D. Europa

2. Who was the first to use a telescope to observe the sun?
 A. Copernicus
 B. Newton
 C. Socrates
 D. Galileo

3. What was the year of Galileo's birth?
 A. Science
 B. Art
 C. Literature
 D. All of the above

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	STATION CODES	LETTER
STATION 1	→ [] [] [] [] []	
STATION 2	→ A B C D E F	
STATION 3	→ A 75 B 25 C 50 D 100 E 100 F 75 G 50 H 25	
STATION 4	→ [] [] [] [] [] []	
STATION 5	→ 1 2 3 4 5 6	

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.

1. The LAST number of the lock is the number of moons discovered around Jupiter.

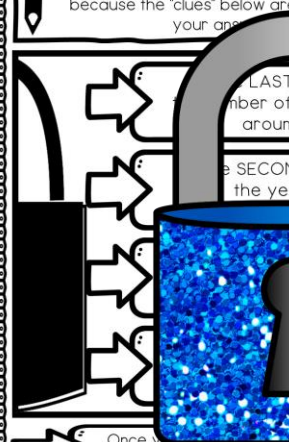
2. The SECOND number of the lock is the year of Galileo's death.

3. The first number of the lock is the year of Galileo's birth.

4. The fourth number of the lock is Galileo's birth month.

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 to determine the code.

1. gravitation 4. teacher 7. law

2. Pisa 5. Copernicus 8. medicine

3. London 6. pendulum 9. velocity

When Galileo was a child, he studied medicine, but he didn't want to be a doctor. Instead, he became interested in mathematics. He was forced to leave school due to his father's job as a mathematician. Galileo's observations of the night sky led to his theory of motion. For example, at the time of Galileo's observation, a chandelier hanging from the ceiling would swing back and forth. He began his theory with balls, levers, and other objects, noting detailed observations of the stars. This discovery later became known as the law of the pendulum.

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 code. One digit of the code is provided for you: 625, a 6 would be the first box, a 2 would be the second box.

A 75 A. In his book, Galileo wrote Dialogues Concerning Two New World Systems.

B 25 B. Today, Galileo is considered the Father of Modern Science.

C 50 C. Galileo was the first to use a telescope.

D 100 D. Galileo was the first to use a telescope for 3 times.

E. Galileo was the first to use a telescope for 3 times.

F. Galileo was the first to use a telescope for 3 times.

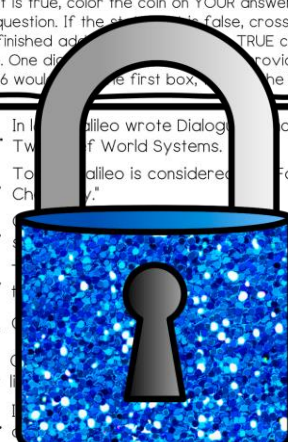
G. Galileo was the first to use a telescope for 3 times.

H. Through his new telescope, Galileo learned that the Milky Way was made up of stars.

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

275 350 4

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. Galileo discovered the moons Io, Ganymede, Europa, and Callisto were orbiting the Galilean moons in his honor.

B. It was during this time that he wrote Dialogues Concerning Two New World Systems or On Motion.

C. Copernicus was the first to propose that the sun was the center of the universe.

D. Galileo Galilei was an Italian astronomer, physicist, and engineer, inventor, and philosopher.

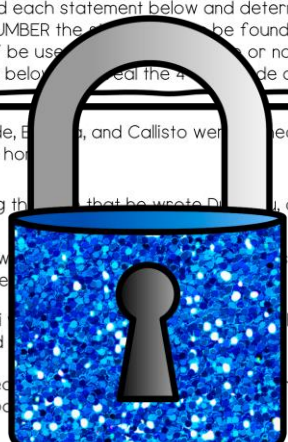
E. Initially, Galileo was a merchant, but he helped them spend their money.

F. Galileo was put on trial for heresy (a belief that went against a religious law).

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 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)

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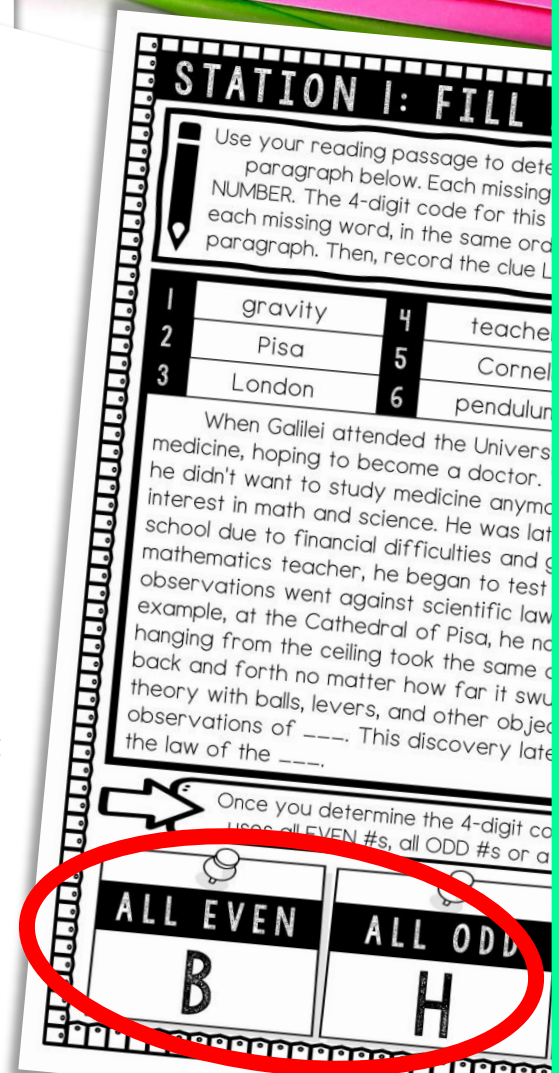
**STUDENTS WILL
USE THE SAME
READING
PASSAGE AT
EACH STATION
SEEKING
ANSWERS AND
TEXT EVIDENCE.**

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 4-digit code. The 4-digit code for this word is represented by the numbers 1-6. Record the 4-digit code for each missing word, in the same order as the words appear in the paragraph. Then, record the clue letter.

1	gravity	4	teache
2	Pisa	5	Cornel
3	London	6	pendulun

When Galilei attended the University of Pisa, he was interested in medicine, hoping to become a doctor. However, he didn't want to study medicine anymore because he had an interest in math and science. He was later sent to a school due to financial difficulties and Galilei's mathematics teacher, he began to test his theories. His observations went against scientific law. For example, at the Cathedral of Pisa, he noticed a chandelier hanging from the ceiling took the same amount of time to swing back and forth no matter how far it swung. He developed a theory with balls, levers, and other objects. His observations of _____. This discovery later led to the law of the _____.

Once you determine the 4-digit code for each word, use all EVEN #s, all ODD #s or all letters to determine the final alpha code.

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

