

ALBERT EINSTEIN

CUBE CODE

the C represent in Einstein's work

A. Carter
B. Roosevelt
C. Wilson
D. Harding

At what age did Einstein begin reading?

A. 3
B. 5
C. 7
D. 9

Where was Albert Einstein born?

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

Where was the Polytechnic Academy that Einstein studied at?

A. Germany
B. Switzerland
C. Sweden
D. Poland

Gravity
Matter
Light
All of the above

of light
of sound
onium
did Einstein study and the theories on?

the year Einstein received a Nobel Prize for his work in physics MINUS 1920.

The FIRST number of the lock is the number of papers Einstein published on his theories in 1905 MINUS 2.

The THIRD number of the lock is the year Einstein was born MINUS 1870.

World War II
organized
Germany

4 disorganized
5 Vietnam War
6 France

7 kinetic
8 nuclear
9 World War I

Einstein's work became associated with the atomic bomb. Although he did not work on the theory of relativity, he saw how it scared Hitler and used it to scare Roosevelt, which he used to help him play a role in World War II.

STATION 2:

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. Lastly, eliminate ANY answer where the answer was found in an EVEN numbered paragraph, leaving only ODD numbers as your final code (in the order of questions). Paragraph numbers MAY be used more than one time or not at all.

STATION 3:

Read each statement below and determine if it is true or false. If the statement is true, color or shade the coin that corresponds to the question. If the statement is false, cross out that coin value. After you are finished add the TOTAL of ALL TRUE coin values. Code has been provided for you. If the total is 625, a 6 in the first box, the 2 in the second box and so on.

A After graduation, he worked in Switzerland at a patent office.

B In the mid 1900's, he became a US citizen.

C He decided to study physics.

D His discovery was the theory of relativity.

E Einstein was born in Germany.

F His theory of relativity was used to help win World War II.

ELIMINATE

ALBERT EINSTEIN

Albert Einstein is known to be one of the most brilliant scientists in history. He studied and created theories (new ideas) on gravity, matter, light and more. His discoveries set the foundation for modern day physics. Today, we have great conveniences, thanks to Einstein's contributions to science. Televisions, garage door openers, and DVD players wouldn't have been invented without Einstein.

Einstein was born in Germany in 1879 and had a younger sister named Maja. He was curious from an early age but did not do very well in school. He did not speak until the age of four. From four to the age of seven, he repeated sentences over and over. Einstein didn't even begin reading until age nine.

A 75 Albert Einstein failed his first college entrance exam.

B 25 Einstein was a pacifist who hated war.

C 100 Einstein created an equation ($E=mc^2$) to show the relation between radiation and mass.

D 50 Einstein loved sitting in a boat on a lake, thinking and recording his thoughts.

E 75 Einstein and Satyendra Bose discovered a new state of matter used in lasers.

F 100 Vladimir Putin came to power in 2000.

G 50 Einstein moved back to Germany in 1953.

H 75 Einstein was a member of the Prussian Academy of Sciences.

4 DIGIT CODE →

A 75 The Constitution is organized into seven different parts called Articles.

B 75 The Constitutional Convention was held in Boston, Massachusetts.

C 75 The 3 branches include the Legislative, Executive and Parliament Branch.

D 50 The first ten amendments came in 1791 and are called the Bill of Rights.

E 50 Before the Constitution, a strong federal government held the states together.

F 25 The opening part of the Constitution is called the Preamble.

G 50 George Washington was known as the "Father of the Constitution."

H 25 The U.S. Constitution is the oldest government document still in use today.



STATION 1:

Use your reading passage or deductive reasoning skills to determine the missing words in the paragraph below. Each missing word has a corresponding NUMBER. The 4-digit code will be the NUMBER of each missing word in the same order in which they appear in the paragraph.

STATION 2:

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. Lastly, eliminate ANY answer where the answer was found in an ODD numbered paragraph, leaving only EVEN numbers as your final code (in the order of questions). Paragraph numbers MAY be used more than one time or not at all.

STATION 3:

Read each statement below and determine if it is true or false. If the statement is true, color or shade the coin 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. 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:

Use your reading passage to determine the combination to the 4-digit lock. 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.

STATION 5:

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

STATION 6:

Reread the passage and write the main idea in your own words. Then, add TWO supporting details that back up your main idea or topic sentence.

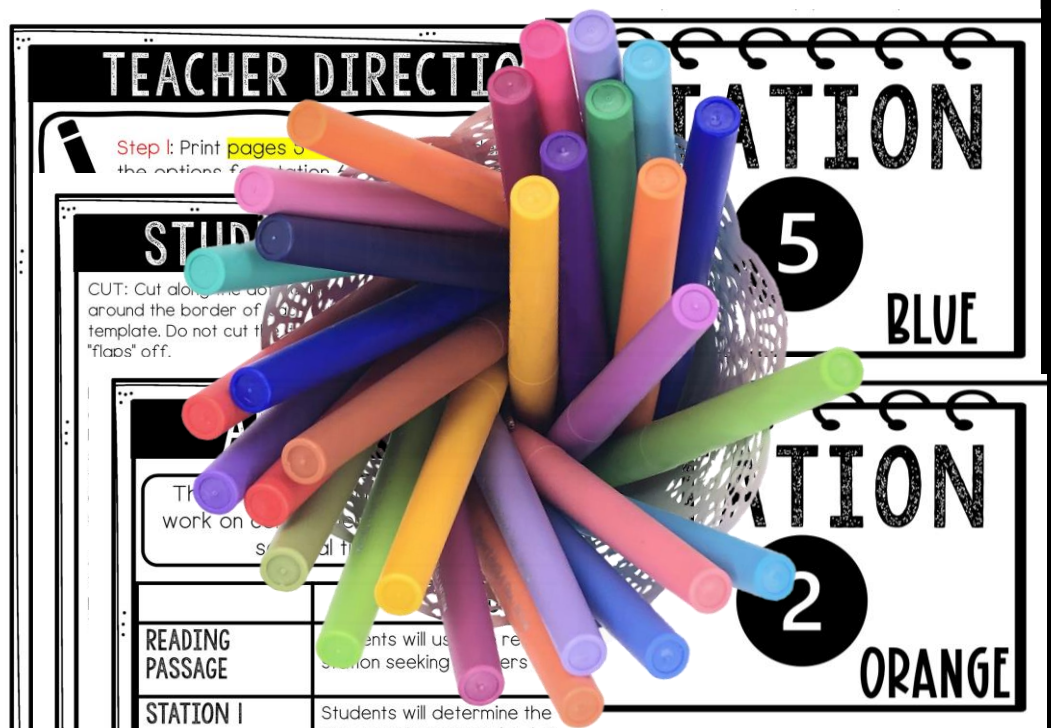
STATION

1

RED

WHAT'S INCLUDED?

- READING PASSAGE
- 6 STATIONS
- TEACHER GUIDE
- STATION CARDS
- ANSWER KEY
- STUDENT DIRECTIONS
- TEXT MARKING OPTION
- ALTERNATE STATION
- ASSEMBLY TIPS



6 STATIONS

STATION 1:

Use your reading passage or deductive reasoning to determine the missing words in the paragraph below. The missing word has a corresponding NUMBER. The 4-digit code will be the NUMBER of each missing word in the same order in which they appear in the paragraph.

1	World War II	4	disorganized	7	kinetic
2	organized	5	Vietnam War	8	nuclear
3	Germany	6	France	9	World War

Einstein's ideas became associated with the atomic bomb. All the _____ of relativity were played out on the _____ of Hitler and Einstein. Roosevelt, which led to the use of the atomic bomb, was a very _____ student. Students didn't understand his lectures, and he often forgot appointments. He never wore socks.

STATION

1

RED

STATION 6:

Reread the passage and write the main idea in your own words. Then, add TWO supporting details that back up your main idea or topic sentence.

MAIN IDEA

STATION

6

SUPPORTING DETAIL #2

STATION 4:

Use your reading passage to determine the combination to the 4-digit lock. 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.

The LAST number of the lock is Einstein's age when he wrote his first scientific paper on magnetism MINUS 10.

The SECOND number of the lock is

STATION

4

GREEN

4 DIGIT CODE

STATION 5:

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

What does the C represent in $E=mc^2$?

- A. Speed of light
- B. Carbon
- C. Speed of light
- D. Chromium

What U.S. president did Einstein write a letter to?

- A. Carter
- B. Roosevelt

What did Einstein create the theory of?

- A. Gravity
- B. Matter
- C. Light
- D. All of the above

Where was Einstein born?

- A. Germany
- B. Switzerland
- C. Sweden
- D. Poland

STATION

5

BLUE

A B C D

STATION 3:

Read each statement below and determine if it is true or false. If the statement is true, color or shade the coin that corresponds to the statement. If the statement is false, do not color or shade it. One coin has been colored to show you. The 4-digit code has been revealed. The first box is empty.

A
75

B
25

C
50

D
100

STATION

3

YELLOW

4 DIGIT CODE

STATION 2:

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. Lastly, eliminate ANY answer where the answer was found in an EVEN numbered paragraph, leaving only ODD numbers as your final answer. The 4-digit code is the sum of the remaining numbers.

STATION

2

ORANGE

ELIMINATE ALL EVEN NUMBERS TO DETERMINE THE FINAL CODE.

4 DIGIT CODE

SAMPLE CUBE



STATIONS

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 EVEN 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 "answer".
STATION 6	Option 1: Main idea writing activity Option 2: Color and add topic
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.

**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 6 stations, grabbing one side of their cube at each station.

2

Students will answer the questions (found directly in the passage) on their cube sheet before assembly. Students will revisit their reading passage at EACH station!

3

Students will reveal 4-digit codes to move on to the next station. When they finish all stations, they can color and assemble their cube.

STATION

Read each statement below and determine if the statement is true, color or shade the corresponding question. If the statement is false, cross it out. When you are finished add the TOTAL of ALL TRUE statements. A 4-digit code has been provided for you. If the code is 1234, the 1 in the first box, the 2 in the second box and so on.

A. Albert Einstein failed his first entrance exam.

B. Einstein was a pacifist who had no interest in war.

C. Einstein created an equation (E=mc²) that describes the relation between radiation and mass.

D. Einstein loved sitting in a boat on the lake, thinking and recording his thoughts.

E. Einstein and Satyendra Bose discovered a new state of matter used in lasers.

F. In 1939, Vladimir Putin came to power in Germany.

G. Einstein tried to understand why a compass always pointed north.

H. In 1914, Einstein moved back to Germany and became a member of the Prussian Academy of Sciences.

4 DIGIT CODE →

COMBINATION



Each Cube Code is a winning combination of:


- stations and movement
- close reading
- comprehension skills
- coloring and stress relief
- secret codes
- cut and paste
- citing evidence
- critical thinking

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

BENEFITS



THINK OUTSIDE THE BOX!

-  ANTICIPATORY SETS
-  UNIT REVIEW
-  EARLY FINISHERS
-  STATIONS
-  SUB PLANS
-  PARTNER WORK
-  ENRICHMENT

-  HANDS-ON
-  CROSS-CURRICULAR
-  HIGHLY ENGAGING

