

PLANET SATURN

CUBE 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 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 statement. If the statement is false, cross out that coin value. Once you are finished add the TOTAL of ALL TRUE coin values. The 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.

PLANET SATURN
Saturn is the sixth planet from the sun in the Solar System. It is the second largest planet with the largest rings surrounding it. Saturn is bright enough to be seen from Earth without a telescope. Discovered in ancient times, Saturn was named after the Roman god of agriculture and harvest. Around 4 million years ago, dust and gases swirled together to create Saturn. The Assyrians first recorded Saturn in the 8th century BC. Galileo spotted Saturn in the 1600s. He thought he was looking at three planets or a planet with handles. He even called the rings of Saturn "ears." In 1659, a Dutch astronomer named Christiaan Huygens discovered and identified the rings using a more advanced telescope.

THINK TANK

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.

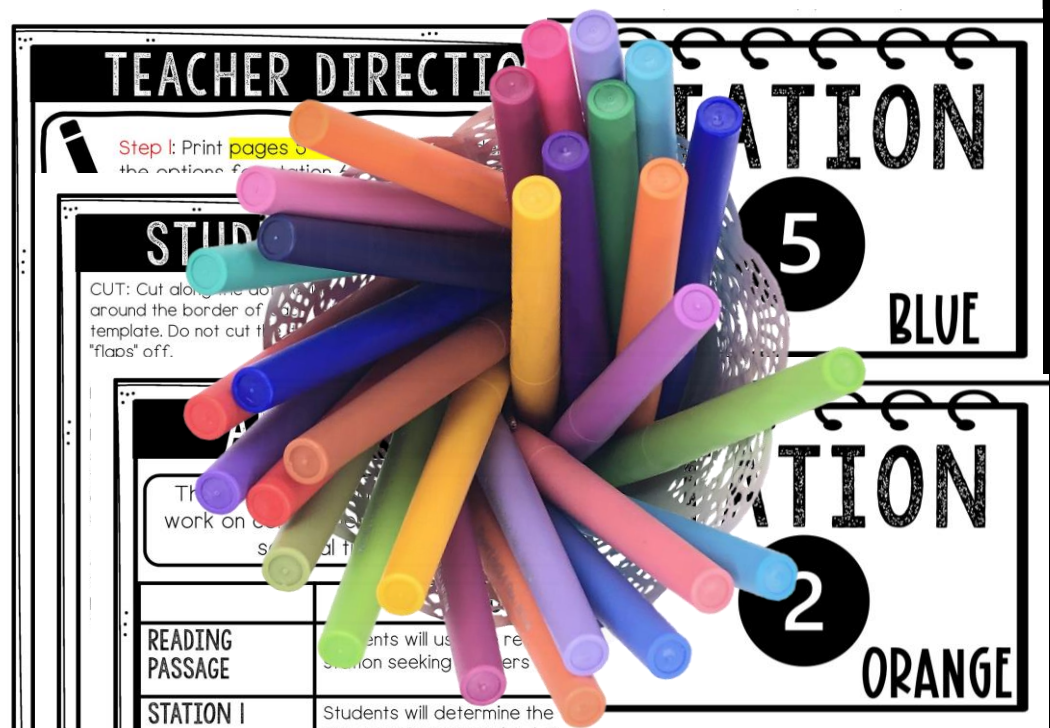
STATION

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 | 45 | 4 | slowly | 7 | Assyrian |
| 2 | Division | 5 | Valles | 8 | quickly |
| 3 | Mons | 6 | Sumerians | 9 | 30 |

Saturn rotates very ____ with one day lasting 10.7 Earth days. Its year lasts 29 Earth days. ____ nicknames ____ "oldest of any planet." Saturn has very ____ known rings. Some rings move at ____ of chunky rocks and ice, some very small and some larger than half a mile across. The gap between the rings is ____.

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 the year Christian Huygens discovered Titan MINUS 1650.

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 (A B C D) 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.

Which is Saturn's second largest moon?

- A. Triton
- B. Dione
- C. Mimas
- D. Rhea

Saturn is the ____ largest planet in the Solar System.

- A. Second
- B. Third

What was the name of the first satellite to orbit Saturn?

- A. Pioneer
- B. Cassini
- C. Voyager
- D. Endeavour

Due to an atmosphere, Saturn appears ____ in color.

- A. Red
- B. Blue
- C. Green
- D. Yellow

- A. 8th century
- B. 10th century
- C. 12th century
- D. None of the above

STATION

5

BLUE

A B C D

STATION 3:

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

STATION

3

YELLOW

A 75

B 25

C 50

D 100

- C. Saturn is the third planet from the sun in the Solar System.
- D. Titan's atmosphere is primarily composed of methane.
- E. While Saturn is only a smaller planet than Jupiter, its rings are much smaller.
- F. Dutch astronomer Christian Huygens discovered Titan.
- G. The Apollo III became the first satellite to orbit Saturn.
- H. Saturn was named after the Roman god of agriculture and time.

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 final answer is the 4-digit code.

STATION

2

ORANGE

A

B

C

D

E

F

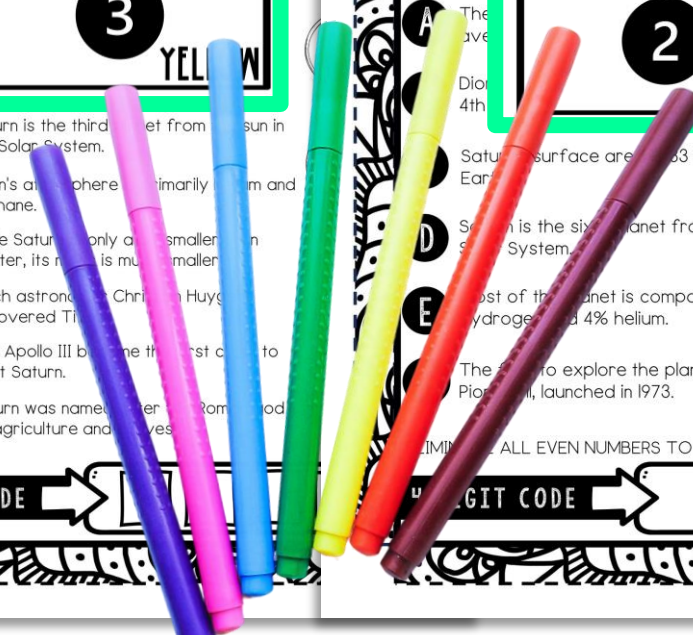
G

H

- The planet Saturn is the sixth planet from the sun in the Solar System.
- Dione is the second largest moon of Saturn.
- Saturn's surface area is 83 times larger than Earth's.
- Saturn is the sixth planet from the sun in the Solar System.
- Most of the planet is composed of gases, 94% hydrogen and 4% helium.
- The first satellite to explore the planet was the Pioneer 11, launched in 1973.

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 code has been provided for you. If the total is 75, write the 7 in the first box and the 5 in the second box and so on.

A. Saturn is a gas giant meaning it has a solid surface.

B. "Lubadsagush" means "oldest of the Solar System."

C. Saturn is the third planet from the Sun.

D. Titan's atmosphere is primarily methane.


E. While Saturn is only a bit smaller than Jupiter, its mass is much smaller.

F. Dutch astronomer Christian Huygens discovered Titan.

G. The Apollo III became the first to orbit Saturn.

H. Saturn was named after the Roman god of agriculture and harvest.

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

