

HURRICANES

CUBE CODE

the Atlantic hurricane season winds between hour?

A. Category 1
B. Category 2
C. Category 3
D. Category 4

Which of the following is a retired hurricane name?

A. Andrew
B. Katrina
C. Mitch
D. All of the above

What is the area of low pressure in the center of a hurricane called?

A. Vortex
B. Eye
C. Cyclone
D. Peak

What are hurricanes called in Southeast Asia?

A. Storm surge
B. Composite cyclone
C. Mesocyclone
D. Typhoon

The SECOND number of the lock is the day in November the Atlantic hurricane season ends MINUS 25.

The FIRST number of the lock is the number of levels the Saffir-Simpson Hurricane Wind Scale has MINUS 2.

The THIRD number of the lock is the year the Saffir-Simpson Hurricane Wind Scale was developed MINUS 1965.

retired
Cyclone
Typhoon

reused
Atlantic
Pacific

1978
1993
2004

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. After 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.

A 75
B 25
C 50
D 100
E 100
F 75
G 50
H 25

A. Category One is winds between 74-95 miles per hour.
B. The letters Q, U, X, Y, and Z are not used when naming hurricanes.
C. The Atlantic Oceans hurricane season begins July 1st and ends August 30th.
D. Once a hurricane reaches land, it will begin to lose energy.
E. Scientists who study hurricanes are called meteorologists.

HURRICANES
A hurricane, or tropical cyclone, is a large rotating storm over the warm ocean waters in tropical areas. It is a circular air movement that creates strong winds and heavy rains. Hurricanes can last days or even weeks and can cover a diameter of over 600 miles.
The difference between a hurricane, typhoon, and a cyclone is the geographic location of the storm. In North America and the Caribbean, they are called "hurricanes." In Southeast Asia, they are called "typhoons," and in the Indian Ocean they are called "cyclones."
Before being labeled a hurricane, the tropical cyclone must pass through three stages (tropical disturbance, tropical depression, and tropical storm). Once classified a hurricane, they have the potential to reach wind speeds of over 75 miles per hour.

A. An area of low air pressure in the center of a hurricane is called the eye.
B. The difference between a hurricane, typhoon, and a cyclone is the geographic location of the storm.
C. A typical six hurricane.
D. The name of a hurricane is the geographic location of the storm.
E. The size of a hurricane is the geographic location of the storm.
F. A hurricane is a large rotating storm over the warm ocean waters in tropical areas.

ELIMINAT

4 DIGIT CODE

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.

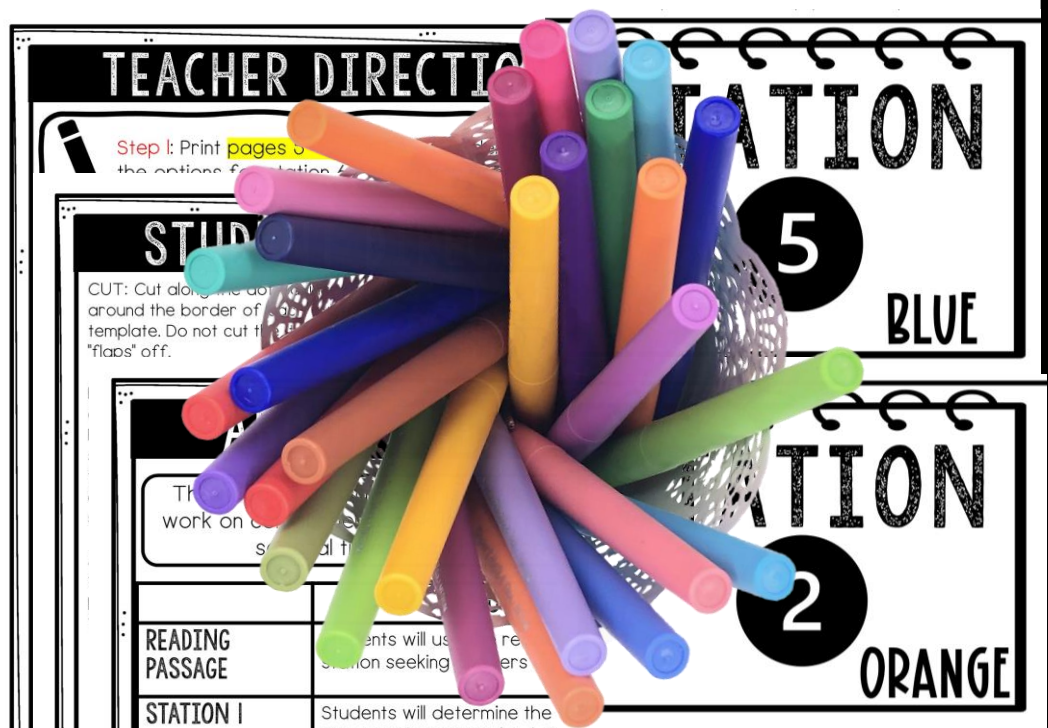
STATION

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. 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.

1	retired	4	reused	7	1978
2	Cyclone	5	Atlantic	8	1993
3	Typhoon	6	Pacific	9	2004

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.

STATION
6

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 average eye of a hurricane in miles MINUS 31.

The **SECOND** number of the lock is the distance from the equator to the Tropic of Cancer.

STATION
4

GREEN

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, write a zero in the box.

When does the Atlantic Ocean hurricane season begin?

- A. May 1st
- B. June 1st
- C. July 1st
- D. November 1st

Which SSHWS level includes winds between 74-95 miles per hour?

- A. Category 1
- B. Category 2

STATION
5

BLUE

STATION 3:

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

STATION
3

YELLOW

A
75

B
25

C
50

D
100

- C. The Atlantic Ocean hurricane season begins June 1st and ends August 31st.
- D. Once a hurricane reaches land, it will begin to lose energy.
- E. Scientists who study hurricanes are called meteorologists.
- F. The largest hurricane on record is Typhoon Tip, which occurred in 1979.
- G. The "eyewall" is the least destructive part of a hurricane.
- H. Most hurricanes remain a distance from the coast and do not pass over land causing major damage.

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 number was found in an **EVEN** numbered paragraph, leaving only **ODD** numbers as your final code. Use only the numbers in the Paragraph numbers column.

STATION
2

ORANGE

A B C D

4 DIGIT 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 all stations are finished add the TOTAL of ALL TRUE statements. A 4-digit code has been provided for you. If the total is 75, the 1 in the first box and the 5 in the second box and so on.

A. Category One is winds between 74 and 95 mph per hour.

B. The letters Q, U, X, Y, and Z are not used when naming hurricanes.

C. The Atlantic Ocean hurricane season begins July 1st and ends August 31st.

D. Once a hurricane reaches land, it loses energy.

E. Scientists who study hurricanes are called meteorologists.

F. The largest hurricane on record was Typhoon Tip, which occurred in 1979.

G. The "eyewall" is the least destructive part of a hurricane.

H. Most hurricanes remain at sea but some pass over land causing massive damage.

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

