

ENDANGERED SPECIES

CUBE CODE



al was once nearly
has since bounced

Environment
Agency in 1970?
A. Ford
B. Nixon
C. Carter
D. Coolidge

How do invasive species pose
as a threat?
A. Compete for food
B. Bring disease
C. Take over the habitat
D. All of the above

What is causing the species
to become endangered around
the globe?
A. Deforestation
B. Overhunting
C. Pollution
D. All of the above

What level on the IUCN list is
"extinct"?
A. 7
B. 6
C. 8
D. 5

the estimated number of Amur
Leopards left in the wild MINUS 62.

The FIRST number of the lock is the
number of levels on the IUCN
Red List MINUS 5.

The THIRD number of the lock is the
year Congress signed the Endangered
Species Preservation Act MINUS 1965.

1966
14
97

Leopards
Penguins
1976

1956
manatee
dolphin

Some alarm
'Critically Endo
less than 70
has shrunk
as 3,200 ti
1% of its
Iberian
but ha
brow
list.
par

facts: Amur ---- are categorized as
Scientists estimate that there are
world's tiger population
there are as few
ation is under
The

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. 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.

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

A The Sumatran Orangutan is critically
endangered with only around 7,000 left in
the wild.
B. President Jimmy Carter created the
Environmental Protection Agency in 1978.
C. All plants and animals rely on their
environment, or habitat, for survival.
D. The IUCN keeps a Red List of plants and
animals that may be endangered.
E. The Dodo bird and Tasmanian Tiger have
become extinct due to overhunting.

ENDANGERED SPECIES
Blue whales, gorillas, and pandas all have one thing in common, an
endangered species. There are millions of species on Earth. Many of them are
endangered, meaning they are at risk of going extinct or completely
disappearing. In the United States, there are over 1,300 species listed as
endangered or threatened. Throughout the world, there are close to 40,000
species under threat, and over 16,000 species believed to be endangered.
The International Union for Conservation of Nature (IUCN) keeps a Red
List of plants and animals that may be endangered. Their list includes 7
levels, with Level One being 'Least Concern' and Level Seven being 'Extinct'.
What is causing the species to become endangered around the globe?

there are many laws in place to
protect endangered species.
penguins are the most
end mammals on Earth.
if the world, there are
ies under threat.

THINK TANK

4 DIGIT CODE

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.

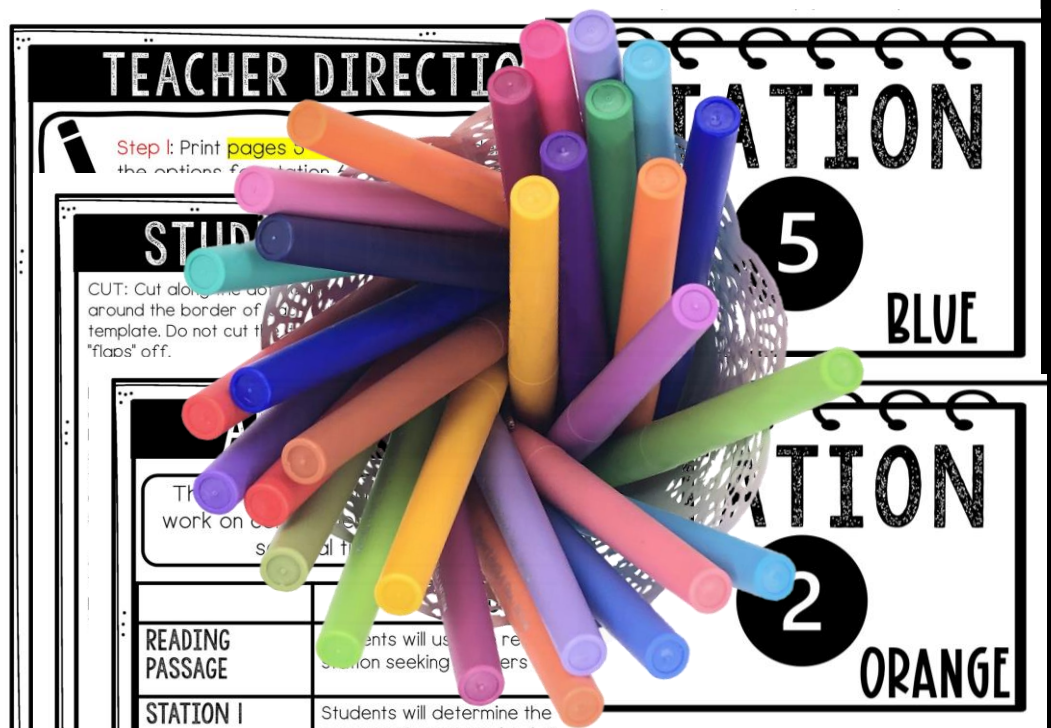
STATION

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	1966	4	Leopards	7	1956
2	14	5	Penguins	8	manatees
3	97	6	1976	9	dolphin

Some alarming facts: Amur _____ are categorized as "critically endangered" because there are fewer than 100 left in the world. The giant panda population is only about 1,800. The Iberian lynx population is only about 300. The brown pelican was once nearly extinct, but it has since bounced back. The bald eagle was once nearly extinct, but it has since bounced back.

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 the brown pelican was taken off the endangered species list MINUS 2000.

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 animal was once nearly extinct but has since bounced back?

- A. Giant panda
- B. Grizzly bear
- C. Bald eagle
- D. All of the above

What president created the Environmental Protection Agency in 1970?

- A. Ford
- B. Nixon

What is the most endangered species on the IUCN list?

- A. Red Panda
- B. Yellow Panda
- C. Blue Panda
- D. Orange Panda

What level of endangerment is the blue whale?

- A. 7
- B. 6
- C. 8
- D. 5

- A. Deforestation
- B. Overhunting
- C. Pollution
- D. All 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 digit of the code.

STATION

3

YELLOW

A
75

B
25

C
50

D
100

- C. All plants and animals rely on the environment for survival.
- D. The IUCN keeps a Red List of plants and animals that may be endangered.
- E. The Dodo bird and Tasmanian Tiger have become extinct due to overhunting.
- F. Today, there are many ways in place to help protect endangered species.
- G. Emperor penguins are the most endangered mammals on earth.
- H. Throughout the world, there are over 40,000 species of plants and animals.

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. Paragraph numbers 1-10 are provided.

STATION

2

ORANGE

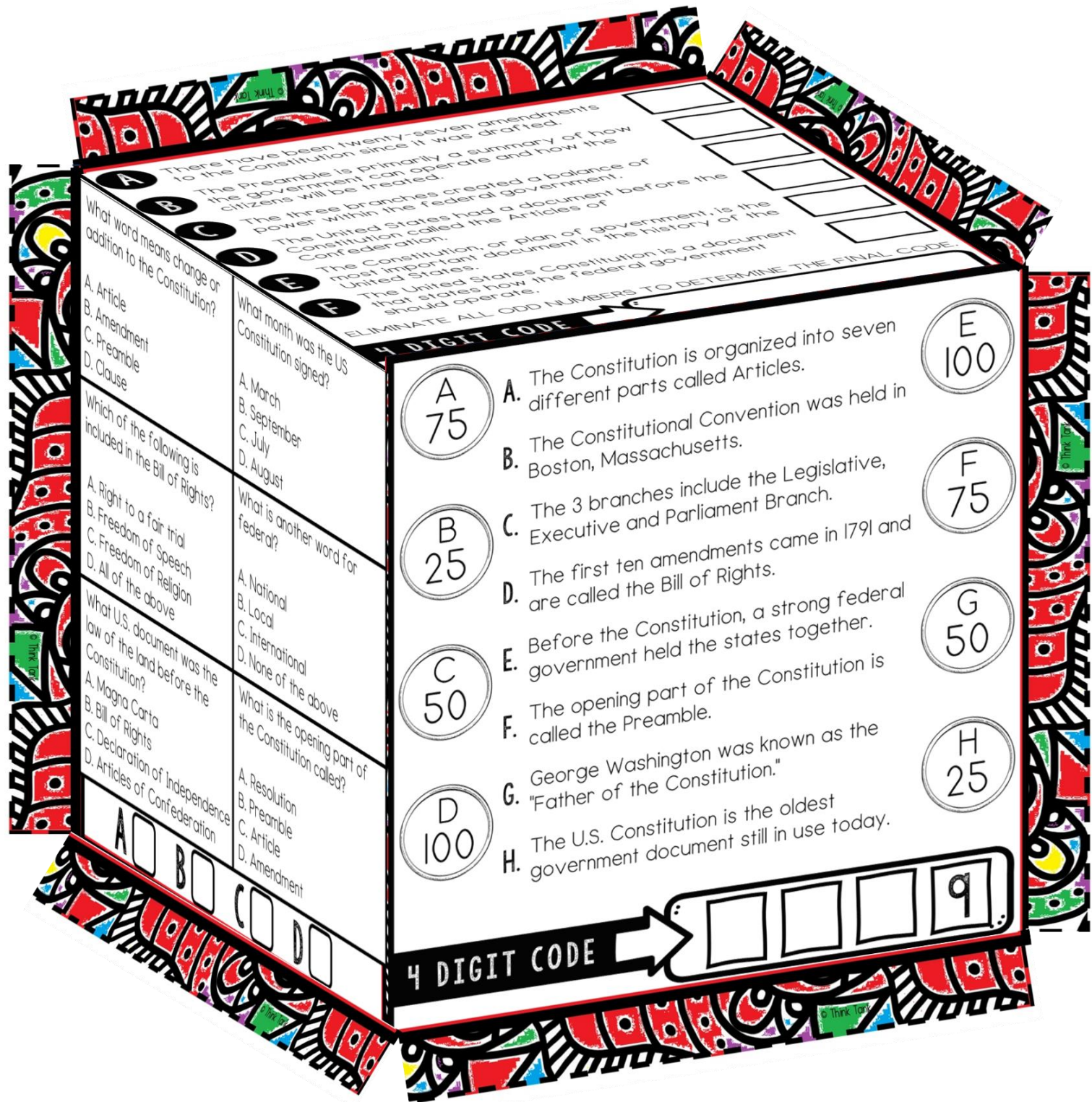
- A. The appearance of a single plant species could affect an entire food chain.
- B. The disappearance of just one plant species could affect an entire food chain.
- C. The main cause of orangutans becoming endangered is deforestation.
- D. In the United States, there are over 1,300 species listed as endangered or threatened.
- E. Poaching are also the biggest threat to elephants and tigers, two other endangered species.

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 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 7 in the first box, the 5 in the second box and so on.

A 75

A. The Sumatran Orangutan is considered one of the most endangered species in the world.

B 25

B. President Jimmy Carter created the Environmental Protection Agency.

C 50

C. All plants and animals rely on their environment, or habitat, for survival.

D 100

D. The IUCN keeps a Red List of plants and animals that may be endangered.

E

E. The Dodo bird and Tasmanian Tiger became extinct due to overhunting.

F

F. Today, there are many laws in place to help protect endangered species.

G

G. Emperor penguins are the most endangered mammals on Earth.

H

H. Throughout the world, there are approximately 40,000 species under threat.

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

