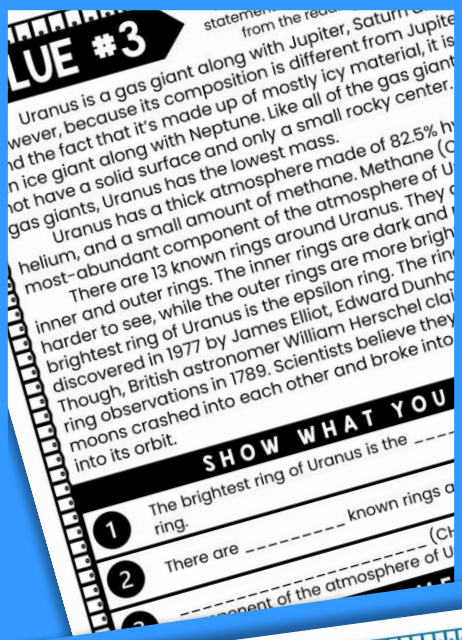
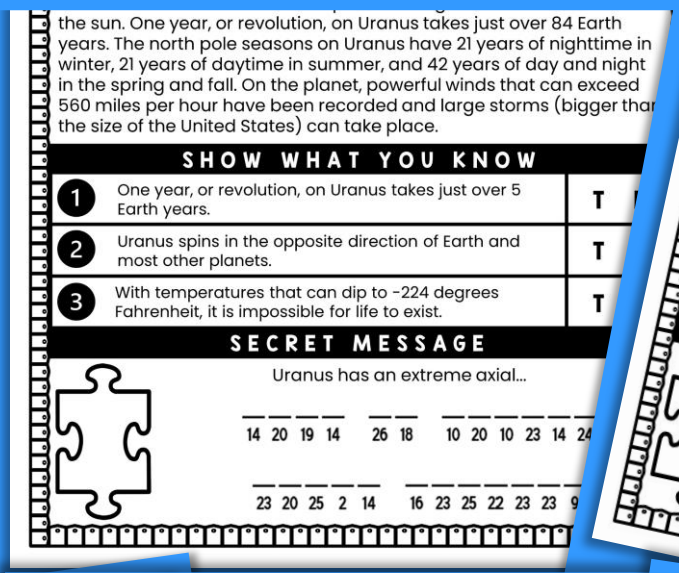
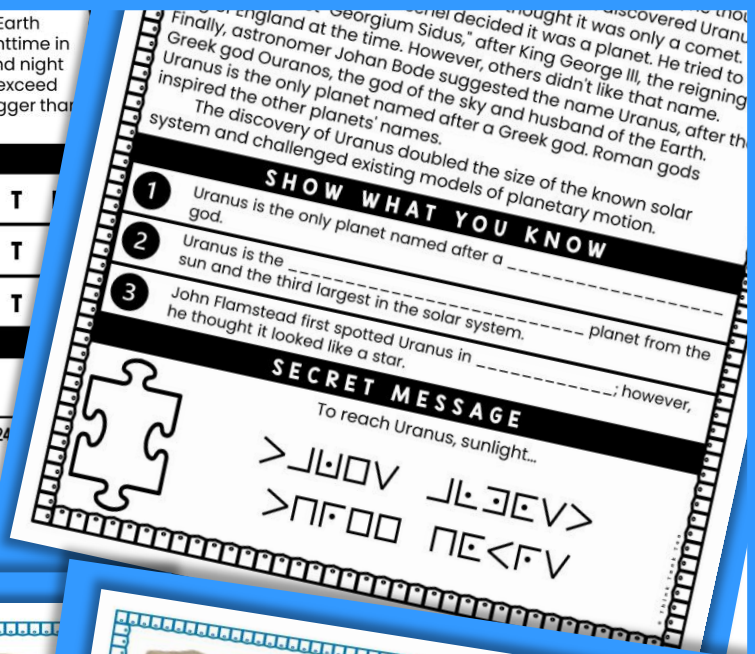
PLANET URANUS

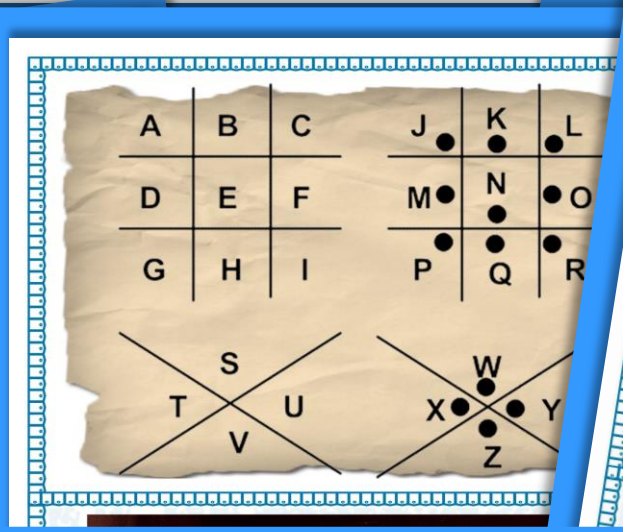
ESCAPE ROOM

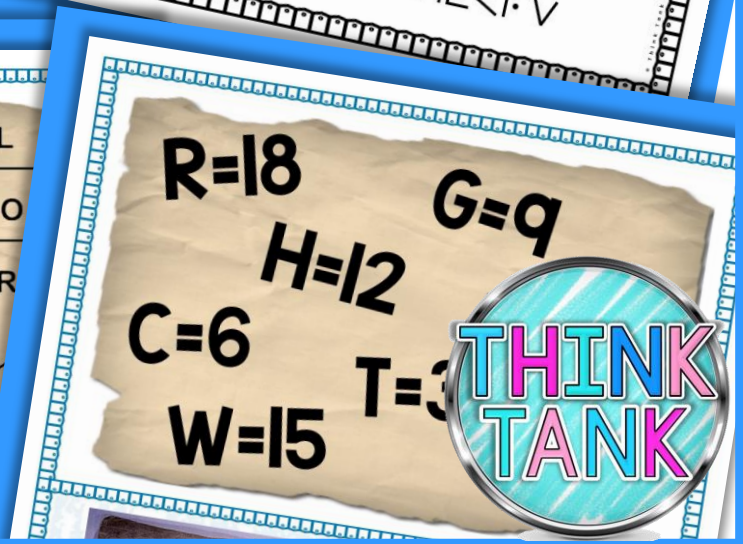








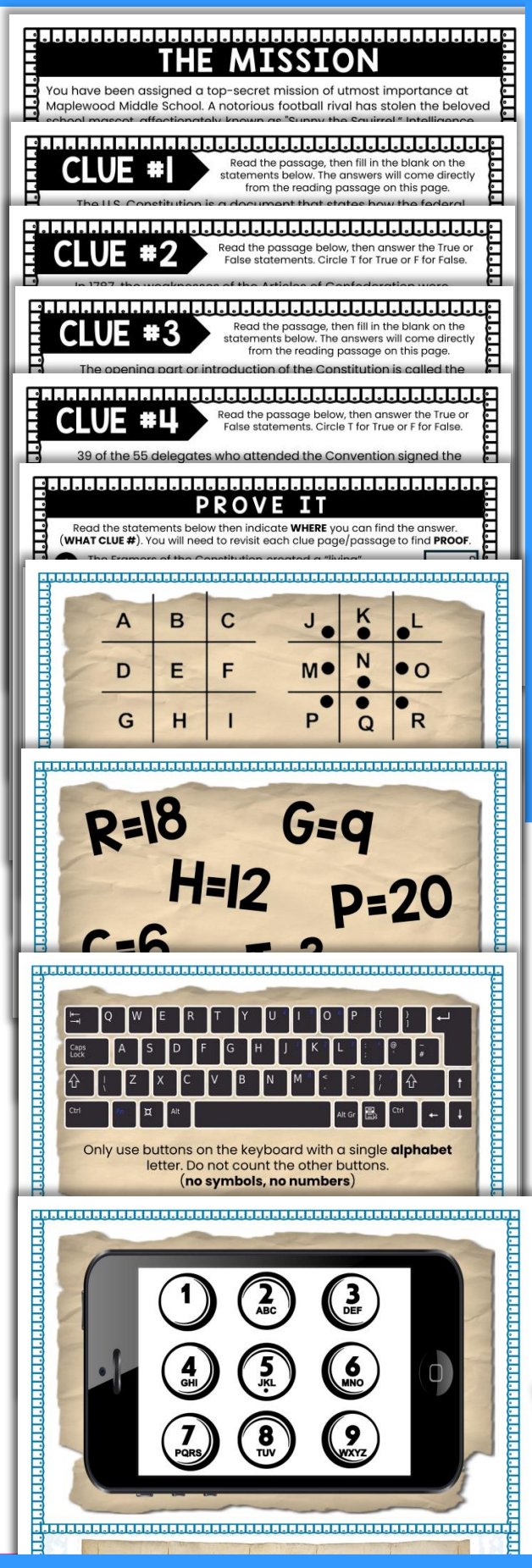


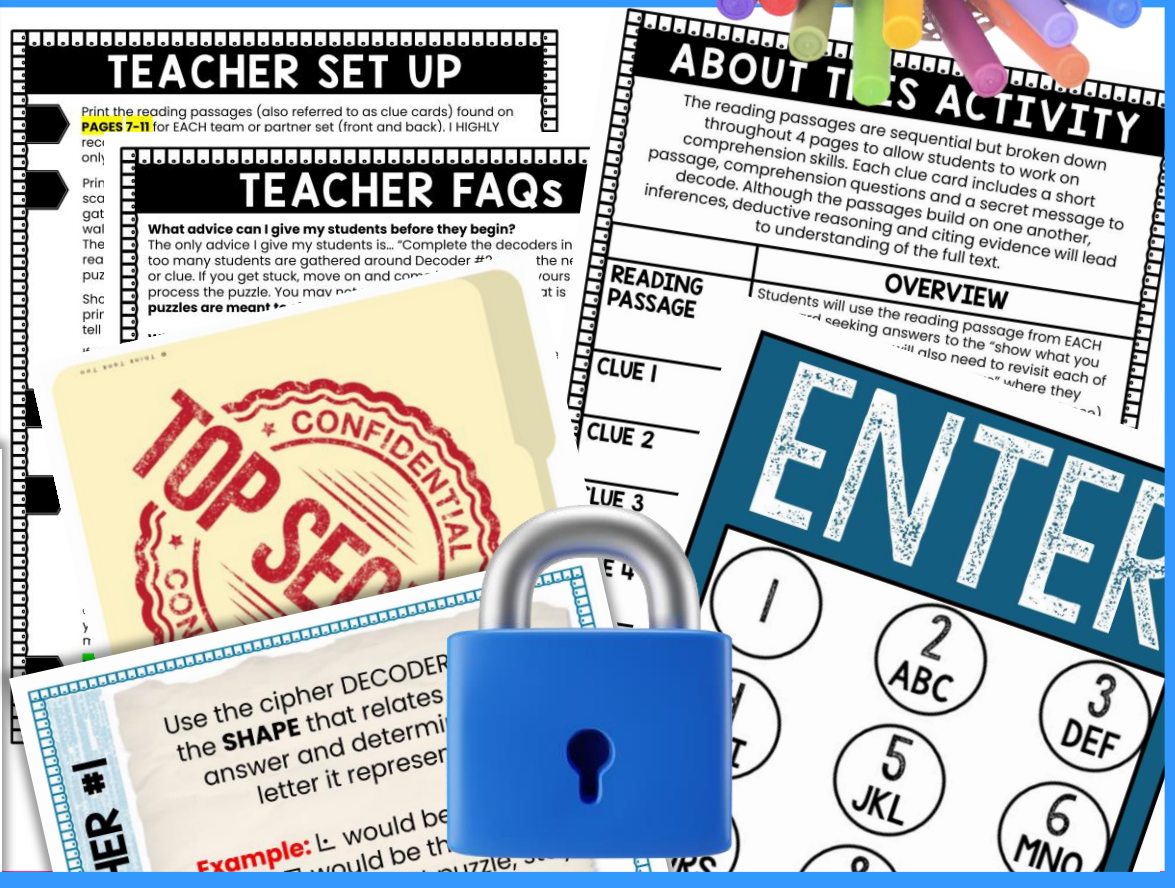


WHAT'S INCLUDED?

- 4 SHORT READING PASSAGES
- 4 PUZZLE DECODERS (UNLABELED)
- 4 PUZZLE DECODERS (LABELED)
- 18 COMPREHENSION QUESTIONS
- TEACHER SET UP
- STUDENT DIRECTIONS
- HINT CARDS
- FAQS
- ANSWER KEY
- PROP SIGNS







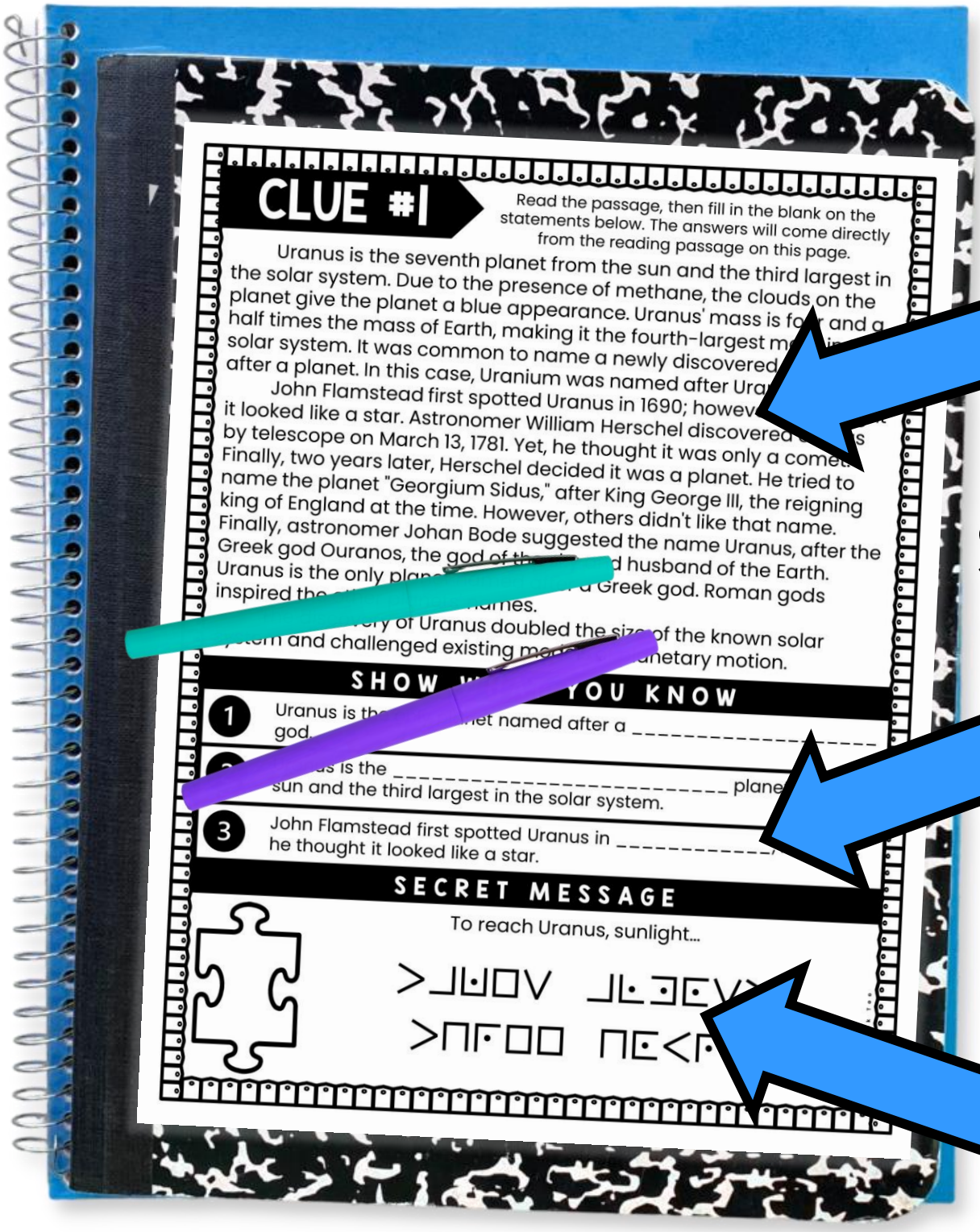
4 CLUE CARDS


CLUE #2
Read the passage below, then
False statements. Circle T for True
Uranus spins in the opposite direction of Earth and most other
planets. It is the only planet in the solar system that is so tilted, it spins
on its side. The extreme tilt of the planet has the sun hitting parts of it
for over 40 years and keeping other parts of the planet in the dark,
without heat. The cause of Uranus' unusual tilt is not fully und
but it is widely believed to
Earth-sized object early
have knocked the plan
dynamics observed t
degrees Fahrenh
Uranus als
takes 17 Earth h
the sun. One y
years. The no
winter, 21 ye
in the sprin
560 miles
the size o
KNOW
just over 5
of Earth and
1 One year,
Earth years.
2 Uranus spins in the opposite
most other planets.
3 With temperatures that can dip to -224 degrees
Fahrenheit, it is impossible for life to exist.
SECRET MESSAGE
Uranus has an extreme axial...
14 20 19 14 26 18 10 20 10 23 14
23 20 25 2 14 16 23 25 22 23 23 9
CLUE #1
Read the passage, then
statements below. The answers
from the reading passage on this
Uranus is the seventh planet from the sun and the third largest
the solar system. Due to the presence of methane, the clouds on the
planet give the planet a blue appearance. Uranus' mass is four and a
half times the mass of Earth, making it the fourth-largest mass in the
solar system. It was common to name a newly discovered element
after a planet. In this case, Uranium was named after Uranus in 1789.
John Flamstead first spotted Ura
it looked like a star. Astronomer
by telescope on March 13, 178
Finally, two years later, Hers
name the planet "Georgium
king of England at the
Finally, astronomer J
Greek god Ouranos,
Uranus is the only p
inspired the other
The discover
system and chal
1 Uranus
god.
2 Uranus is the
sun and the third larg
3 John Flamstead first spotted Uran
he thought it looked like a star.
SECRET MESSAGE
To reach Uranus, sunlight...
CLUE #3
anus is a gas gia
ver, because its co
the fact that it's ma
ce giant along with N
have a solid surface
s giants, Uranus has t
Uranus has a thick
helium, and a small amo
most-abundant compo
There are 13 known
inner and outer rings. Th
harder to see, while the
brightest ring of Uranus
discovered in 1977 by Ja
Though, British astronom
ring observations in 1789
moons crashed into eac
into its orbit.
SHOW WHAT YOU KNOW
1 The brightest ring of Uranus is the _____ ring.
2 There are _____ known rings around Uranus.
3 _____ component of the atmosphere of Uranus.
_____ (CH4) is the third-most-abundant
SECRET MESSAGE
Of the 13 known rings, there are...
1-3 2-9 1-3 3-4 1-3 3-6
3-6 3-6 1-3 1-4
moon
moon
notab
majo
than
small
is the
1986,
and take photos from a distance.
SHOW WHAT YOU KNOW
1 Puck is the outermost of the five major moons, while
Titania is the brightest Uranian moon.
2 Uranus has 62 moons that have been discovered so
far, with many more likely in the rings.
3 The moons are divided into three main categories: 13
inner moons, 9 irregular moons, and 5 major moons.
SECRET MESSAGE
The Miranda moon was discovered by Gerard K
66 444 66 33 8 33 33 6
333 666 777 8 999
33 444 4 44 8

4 DECODERS


D E P
G H I
W Y
X Z
S
T U V
JOHN FLAMSTEED, A.R.F.R.S.
F=18 N=10
G=25 Y=24
Only use buttons on the keyboard with a single alphabet letter. Do not count the other buttons.
(no symbols, no numbers)
3-5 = B
6 MNO
5 JKL
4 GHI
9 WXYZ
8 TUV
7 PQRS
upper atmosphere
bulk composition: hydrogen, helium (planetology name: gas)
state of matter: gas
conditions: low temperature, low pressure
lower atmosphere
bulk composition: hydrogen, helium, methane (planetology name: gas + ice)
state of matter: supercritical fluid
conditions: high temperature, high pressure

READ & THINK



READ THE PASSAGE

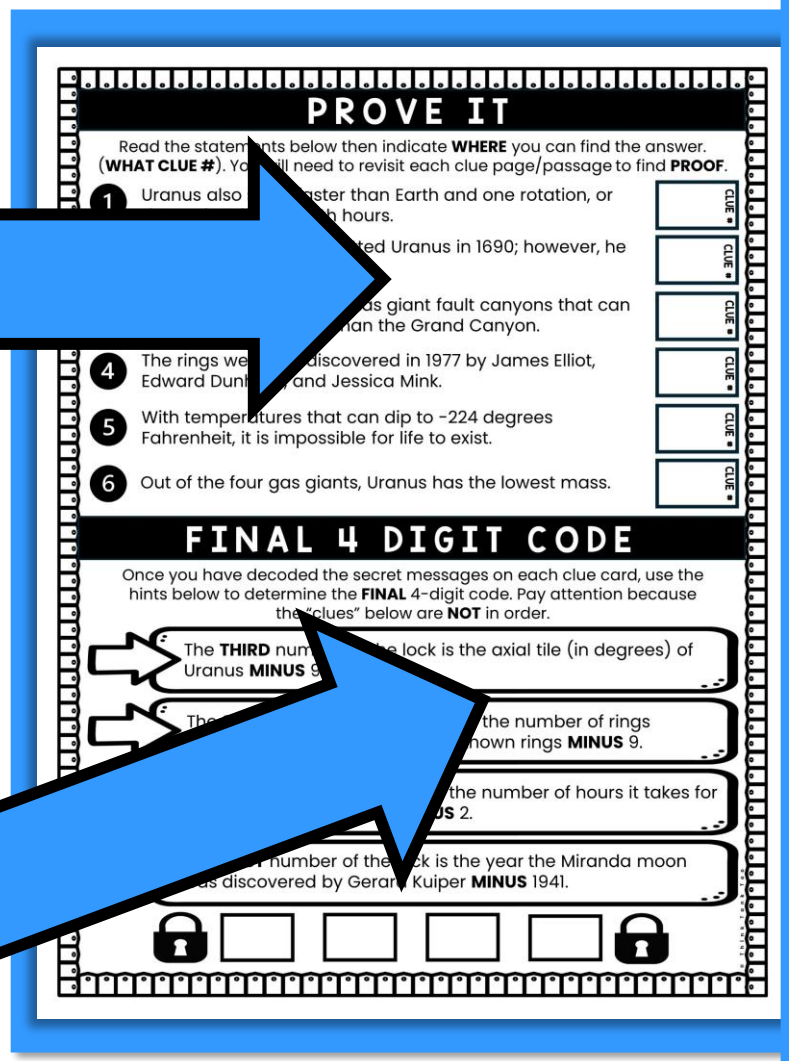
SHOW WHAT YOU KNOW

DECODE THE MESSAGE

FINAL CODE

CITING TEXT EVIDENCE

Students will read the final code statements then PROVE WHERE they found the answer (CLUE #). This will ensure that students read and revisit the reading passages multiple times seeking text evidence.



CRITICAL THINKING

Students will use critical thinking skills to decode the secret messages. They will then use the information revealed in the message to determine the final 4-digit code.



HOW IT WORKS







ENGAGING READING COMPREHENSION PRACTICE!

1. There are 4 clue cards and 4 puzzle decoders. Each clue card includes a short reading passage, questions to check for understanding, and a secret message to decode.

2. Students will work in pairs (or individually) and race to complete all 4 clue cards. A friendly competition always increases engagement. As students progress through the escape room, they will earn "clues" to determine the final 4-digit code. The final code is also a puzzle!



PRINT & GO



ABOUT THIS ACTIVITY

The reading passages are sequential but broken down throughout 4 pages to allow students to work on comprehension skills. Each clue card includes a short passage, comprehension questions and a secret message to decode. Although the passages build on one another, inferences, deductive reasoning and citing evidence will lead to understanding of the full text.

	OVERVIEW
READING PASSAGE	Students will use the reading passage from EACH clue card seeking answers to the "show what you know" portion. They will also need to revisit each of the 4 clue card passages to "prove" where they found the answer for the final code (text evidence)
CLUE 1	Students will read the passage, answer 3 fill in the blank questions, and reveal a secret message using a puzzle decoder.
CLUE 2	Students will read the passage, answer 3 True False questions, and reveal a secret message using a puzzle decoder.
CLUE 3	Students will read the passage, answer 3 fill in the blank questions, and reveal a secret message using a puzzle decoder.
CLUE 4	Students will read the passage, answer 3 True or False questions, and reveal a secret message using a puzzle decoder.
FINAL CODE	As students progress through the escape room, they will decode "clues" to determine the final 4-digit code. The final code is also a puzzle! In order to "escape" students must present correct answers for EVERY question as well as the decoded secret messages and final 4-digit code.

© Think Tank Too

BENEFITS

- ✅ PRINT & GO
- ✅ CLOSE READING
- ✅ COMPREHENSION SKILLS
- ✅ SECRET CODES
- ✅ CITING EVIDENCE
- ✅ CRITICAL THINKING
- ✅ MOVEMENT
- ✅ ACTIVE LEARNING
- ✅ CROSS-CURRICULAR
- ✅ HIGHLY ENGAGING
- ✅ NO LOCKS NEEDED
- ✅ NO ENVELOPES TO STUFF
- ✅ NO ODD SHAPES TO CUT



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

USE FOR



ANTICIPATORY SETS

UNIT REVIEW

EARLY FINISHERS

STATIONS

REWARD ACTIVITY

SUB PLANS

COLLABORATION

ENRICHMENT

GALLERY WALK