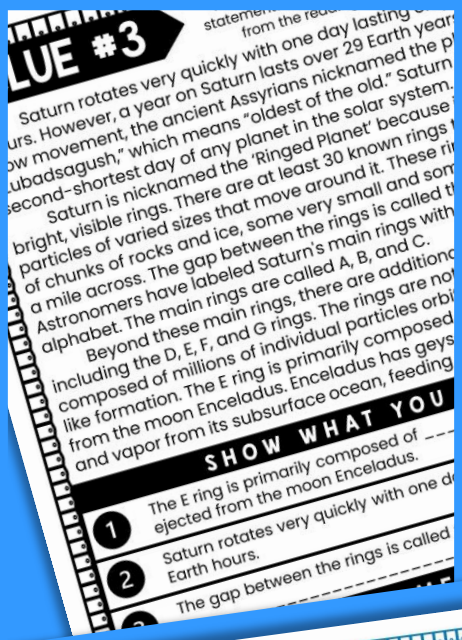
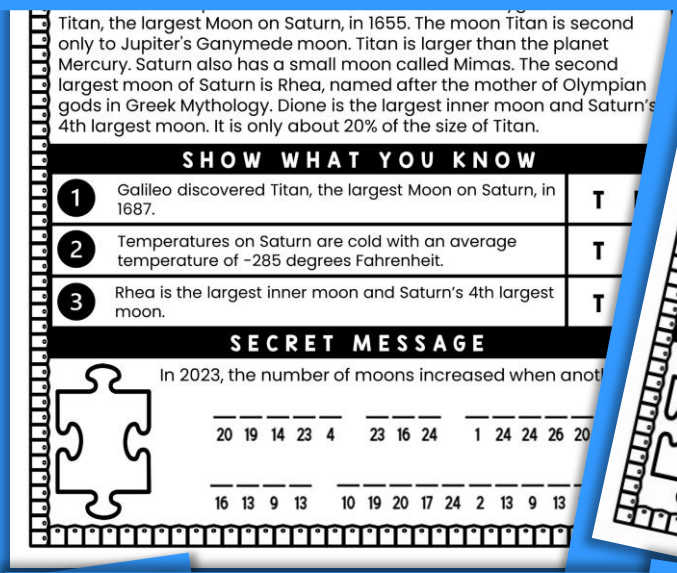
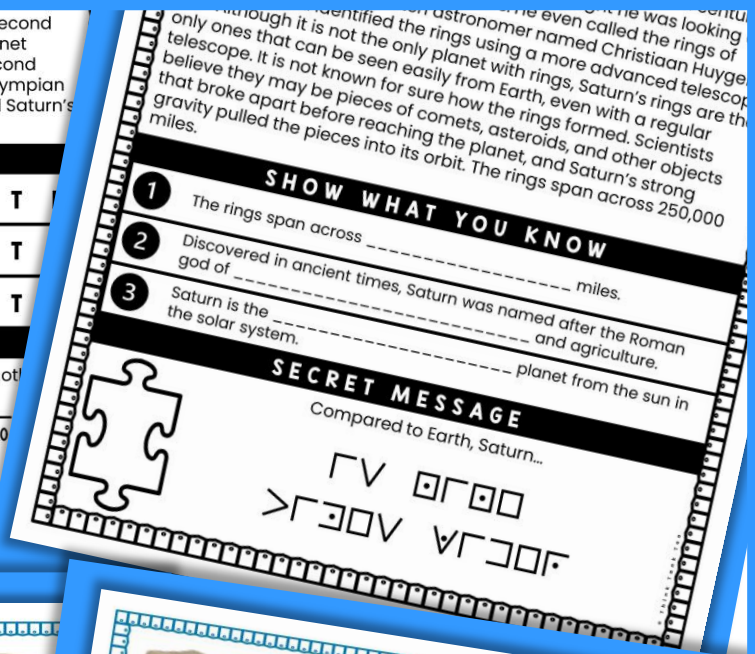
PLANET SATURN

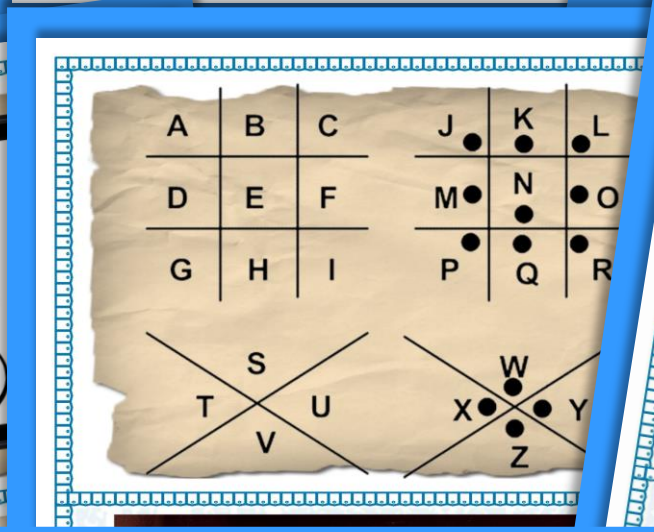
ESCAPE ROOM

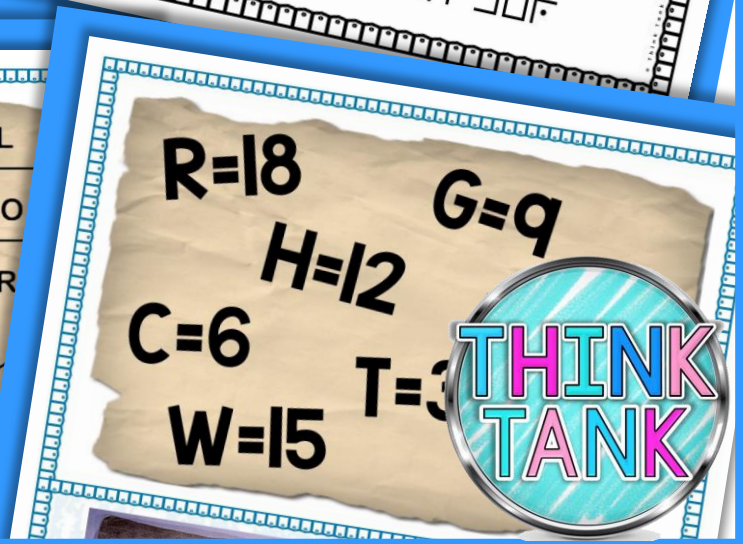








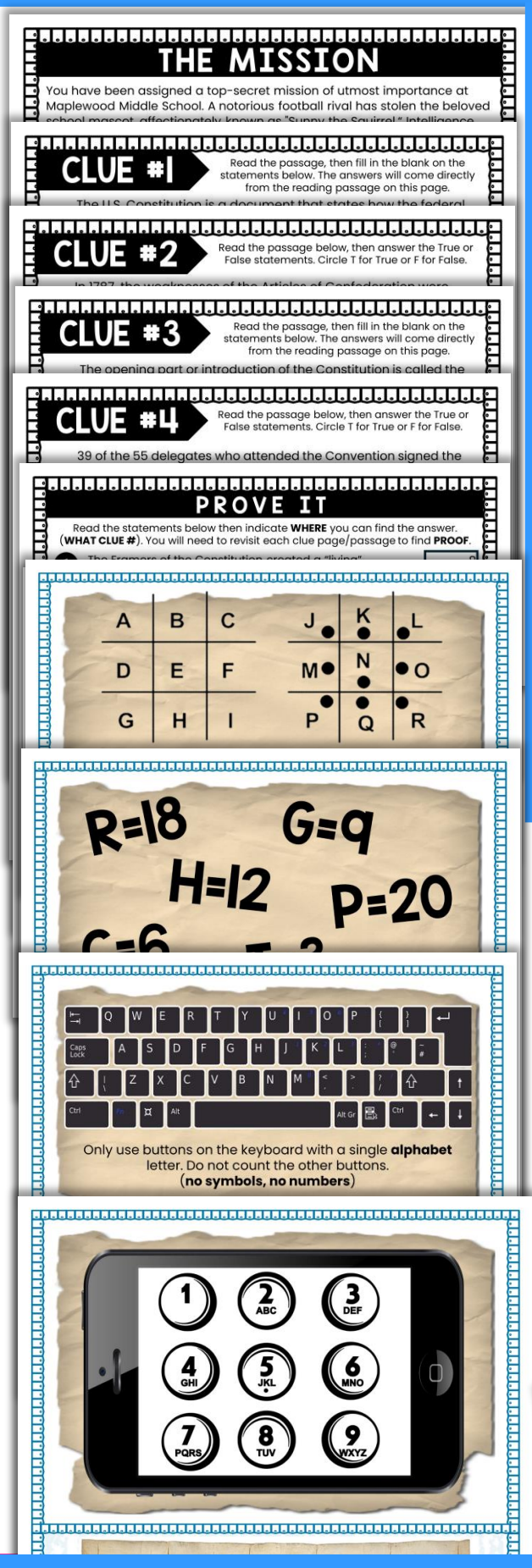


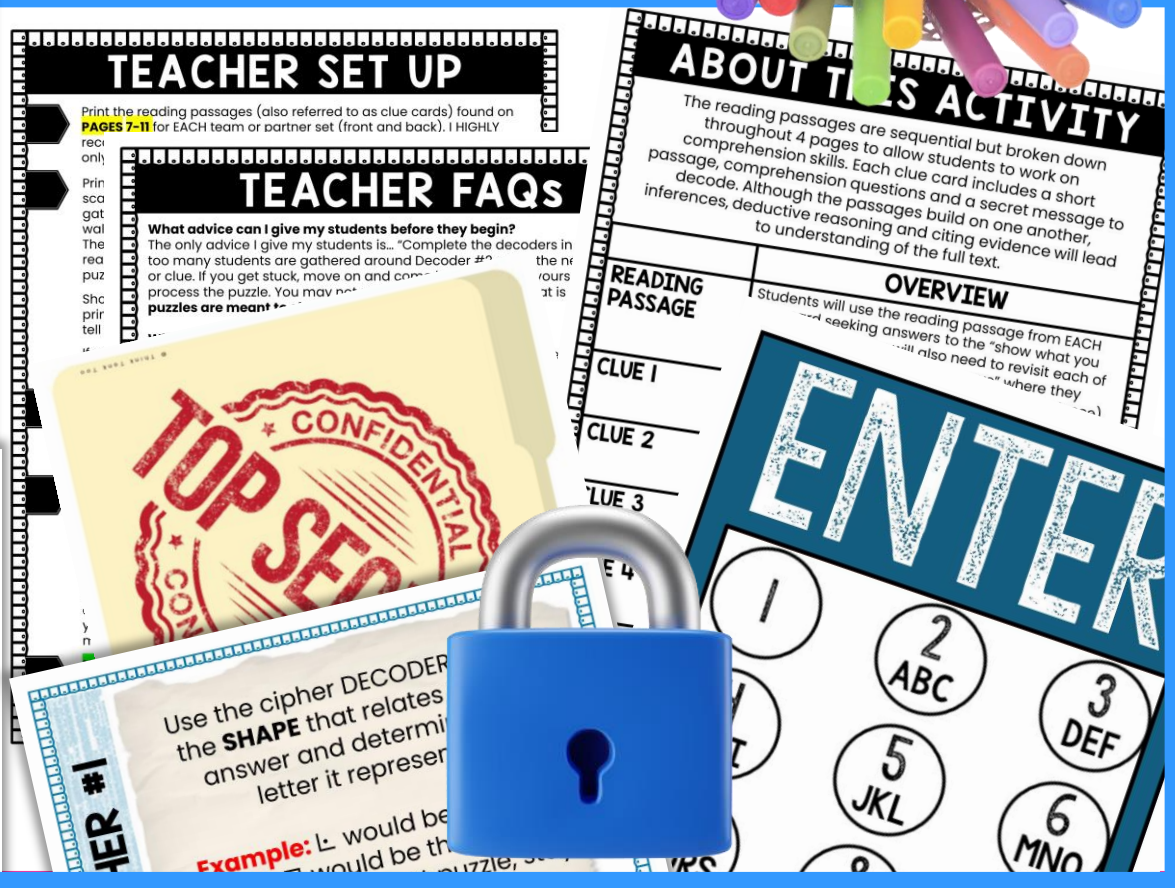


WHAT'S INCLUDED?

- 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



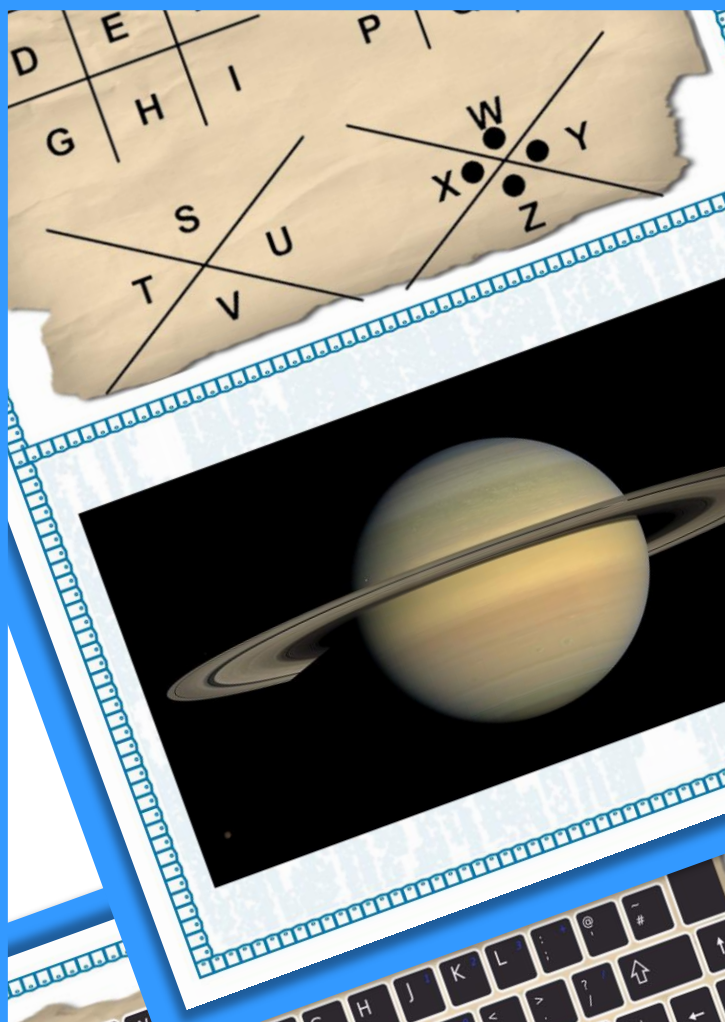




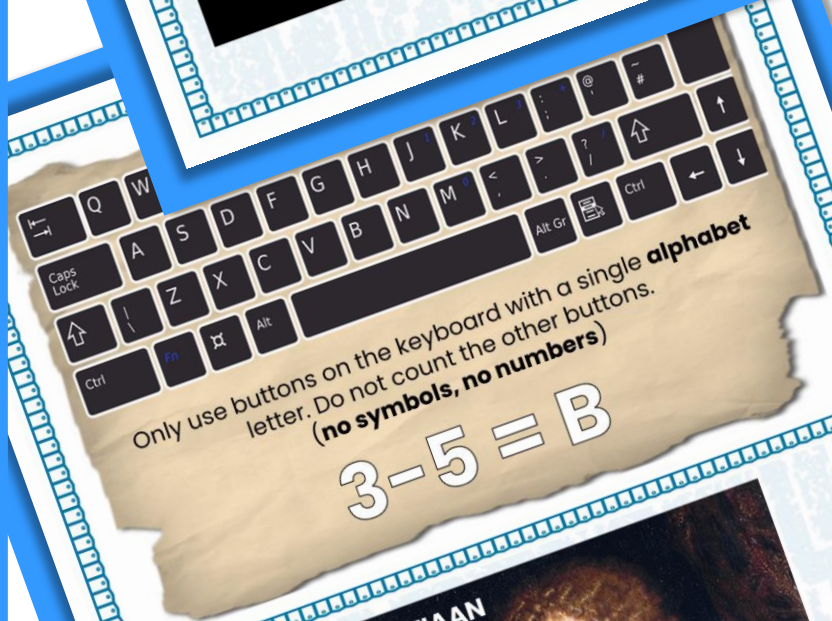
4 CLUE CARDS


CLUE #1
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 harvest and agriculture.
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
three planets or a planet with
Saturn "ears." In 1659, a Dutch
discovered and identified th
Although it is not
only ones that can be
telescope. It is not kn
believe they may be
that broke apart b
gravity pulled the
miles.
SHOW WHAT YOU KNOW
1 The ring
2 Discovered in an
god of _____
3 Saturn is the _____ the solar system.
SECRET MESSAGE
Compared to Earth, Saturn...
CLUE #2
Saturn is a gas giant meaning it has no solid surface. There is a solid core in the middle, possibly made of iron and nickel. Most of the planet is composed of gases, 94% hydrogen and 4% helium. It is the least dense planet in the solar system. Temperatures on Saturn are cold with an average temperature of -285 degrees Fahrenheit. It is very windy, and the weather
violent storms that can
appearance of stripes
equator on Saturn ca
Saturn is co
moons. Howeve
29 need more
Titan, the larg
only to Jupite
Mercury. Sat
largest mo
gods in Gr
4th large
SHOW WHAT YOU KNOW
1 Galileo
1687.
2 Temperatures on Saturn
temperature of -285 degrees Fahrenheit.
3 Rhea is the largest inner moon and Saturn's 4th largest moon.
SECRET MESSAGE
In 2023, the number of moons increased when
20 19 14 23 4 23 16 24 1 24 24 26
16 13 9 13 10 19 20 17 24 2 13 9 13
CLUE #3
Saturn rotates very
. However, a year o
movement, the and
"sadsagush," which m
cond-shortest day of
Saturn is nickname
right, visible rings. There
particles of varied sizes
of chunks of rocks and ic
a mile across. The gap b
Astronomers have labele
alphabet. The main rings
Beyond these main
including the D, E, F, and
composed of millions of
like formation. The E ring
from the moon Enceladu
and vapor from its subsu
SHOW WHAT YOU KNOW
1 The E ring is primarily composed of _____ particles ejected from the moon Enceladus.
2 Saturn rotates very quickly with one day lasting only _____ Earth hours.
3 The gap between the rings is called the _____ Division.
SECRET MESSAGE
Saturn's rings are thin with an average thickness of just...
1-5 2-6 1-8 1-4 1-5 1-6
2-6 1-4 1-3 1-3
SHOW WHAT YOU KNOW
1 In 2004, Cassini-Huygens became the first craft to orbit Saturn and study the planet's rings and moons.
2 Voyager 1 and Voyager 2, which launched in 1977, explored Saturn soon after Pioneer 11.
3 Saturn appears to be red, caused by ammonia crystals in the upper atmosphere.
SECRET MESSAGE
The Cassini-Huygens mission ended in...
8 9 666
8 44 666 88 7777 2 66
7777 33 888 33 66 8 33

4 DECODERS


D E
G H I
P
W
X Y
Z
S
T U
V


Y=4 X=14
O=24 N=26
Janus
Epimetheus
Cassini Saturn Orbit Insertion
Ring Plane Crossing
Cassini Division
Encke Division (Pan)
Dione
Tethys
Enceladus
Mimas
A ring (outer edge: Atlas)
B ring
C ring
G ring
E ring
F ring (Prometheus, Pandora)

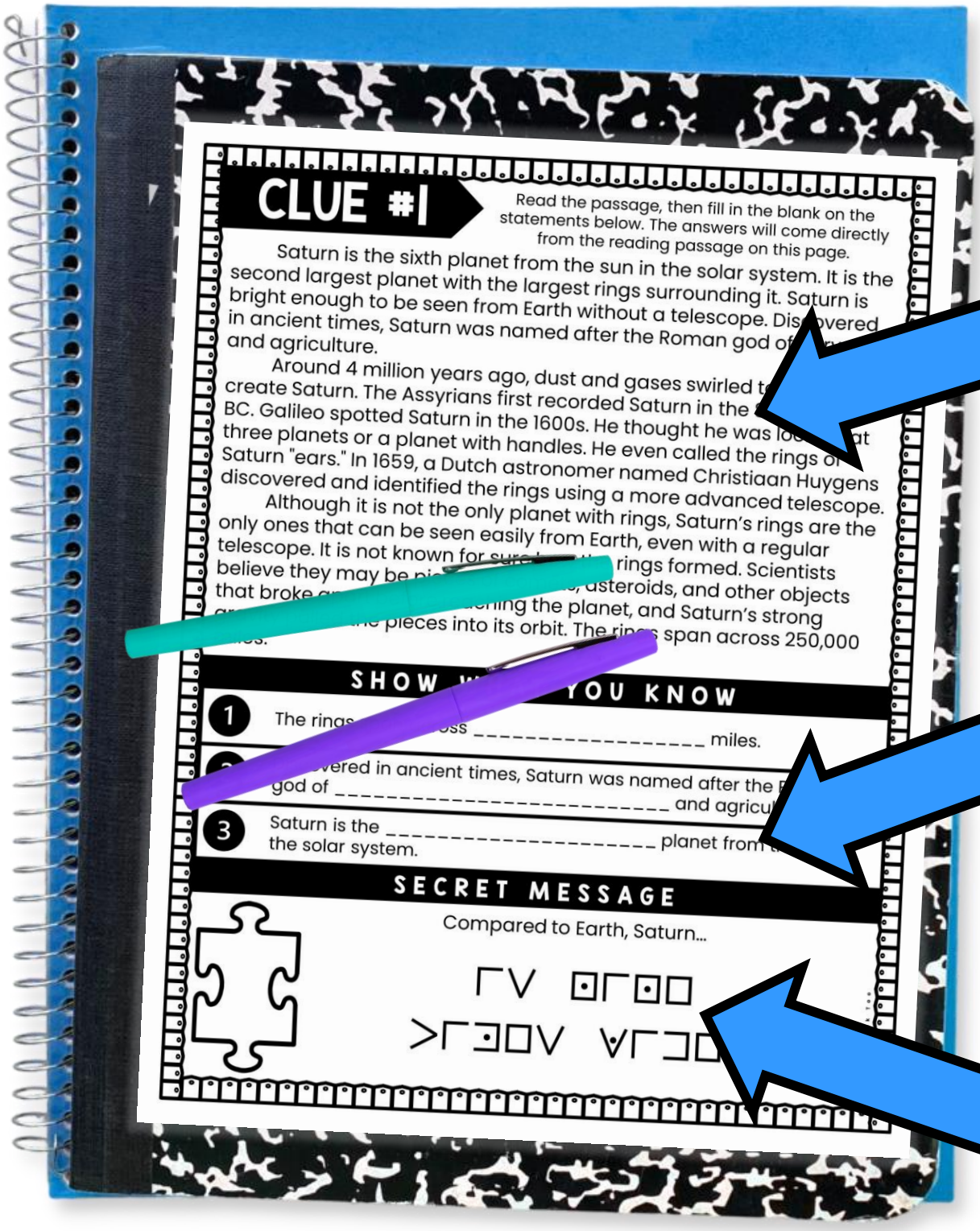

Only use buttons on the keyboard with a single alphabet letter. Do not count the other buttons.
(no symbols, no numbers)
3-5 = B


4 GHI
5 JKL
6 MNO
7 PQRS
8 TUV
9 WXYZ


CHRISTIAAN
HUYGENS



READ & THINK



READ THE PASSAGE

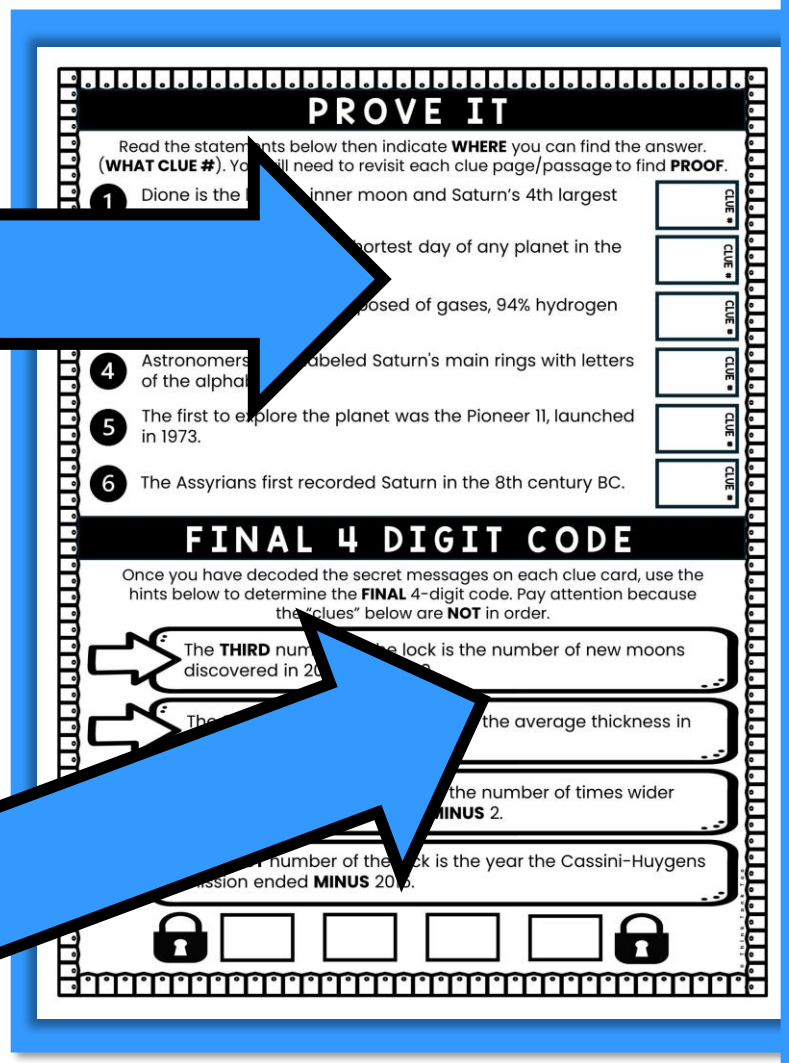
SHOW WHAT YOU KNOW

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