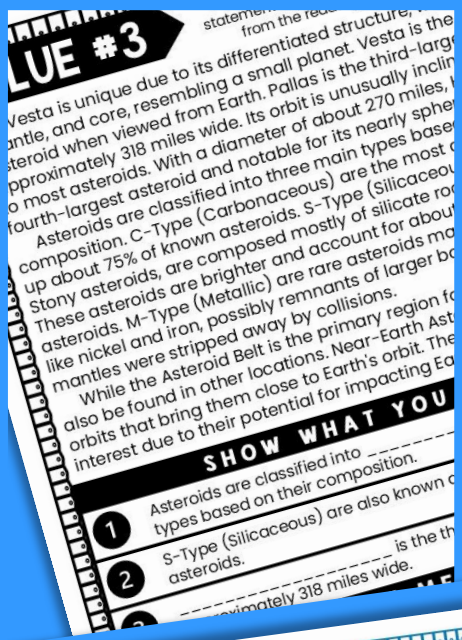
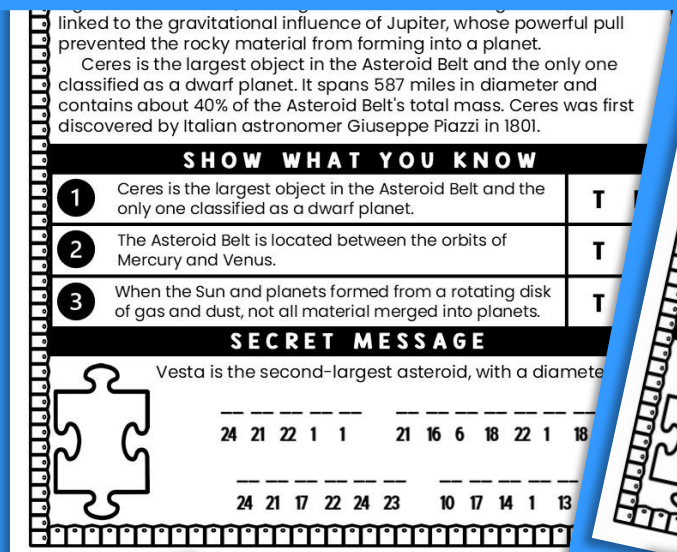
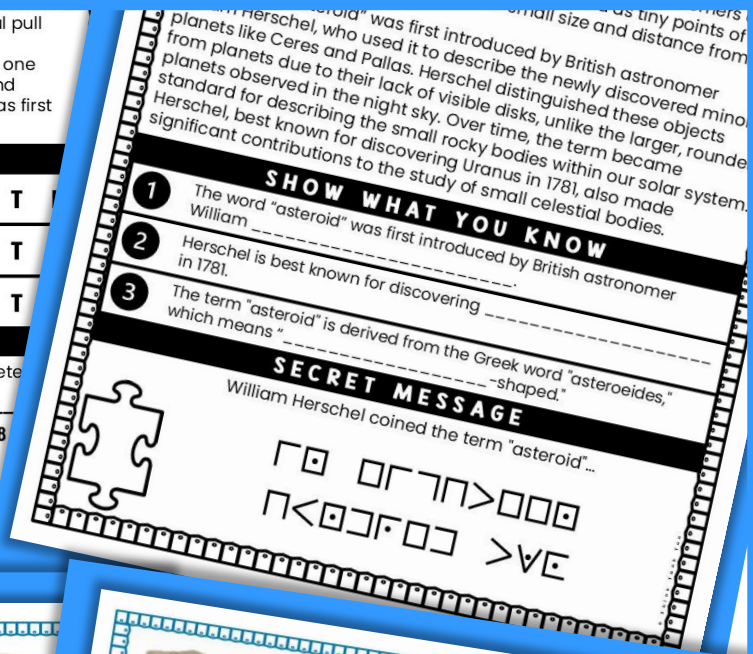
ASTEROIDS & ASTEROID BELT

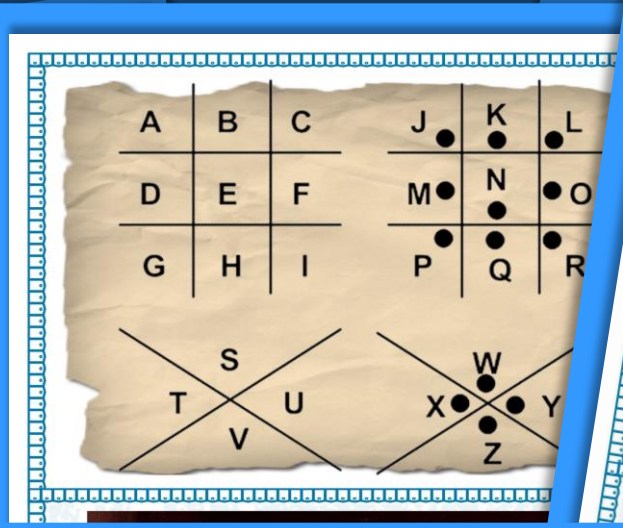
ESCAPE ROOM

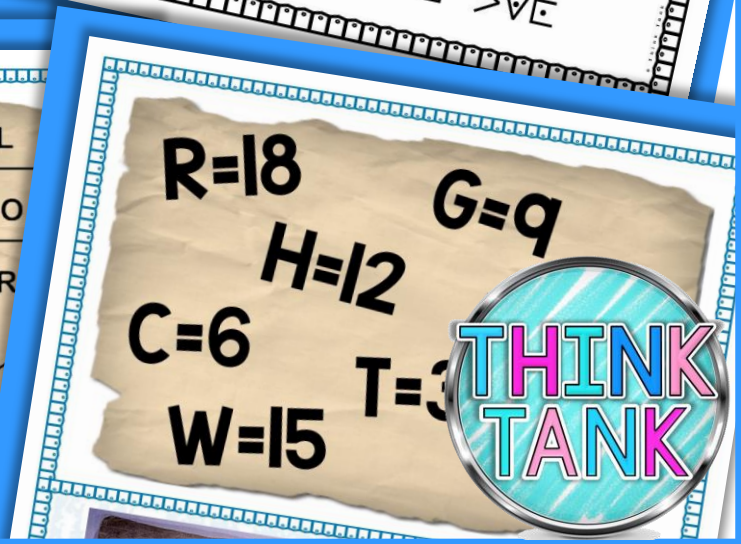








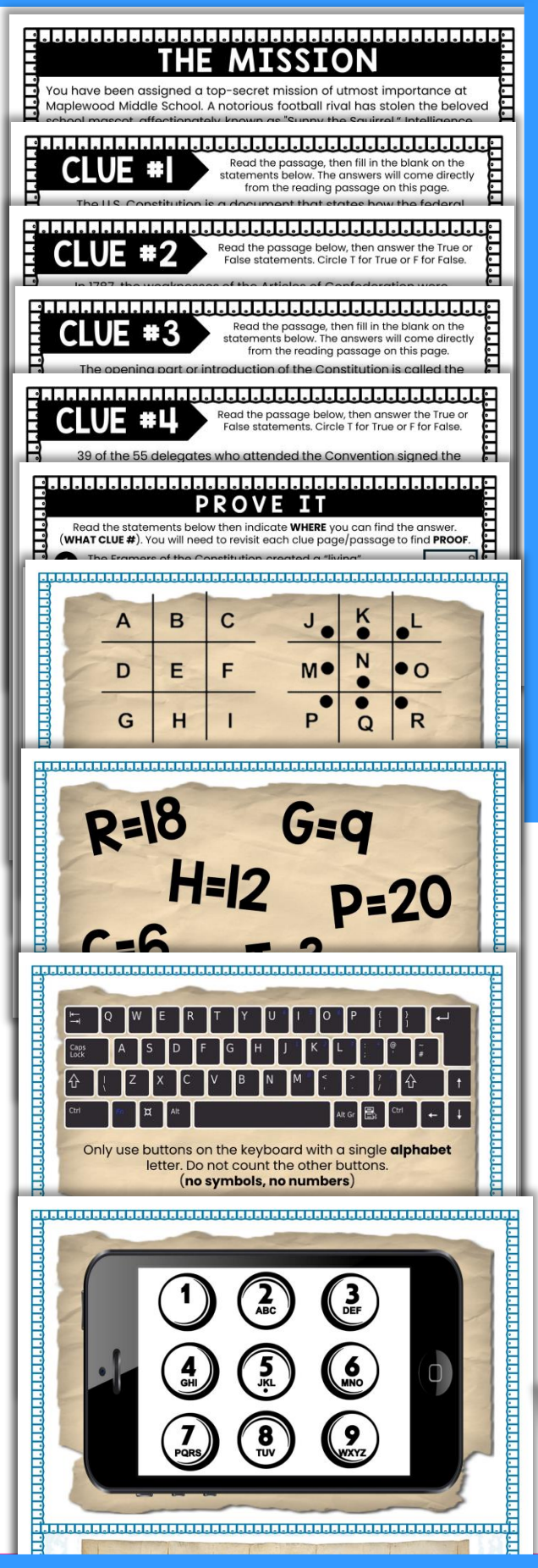


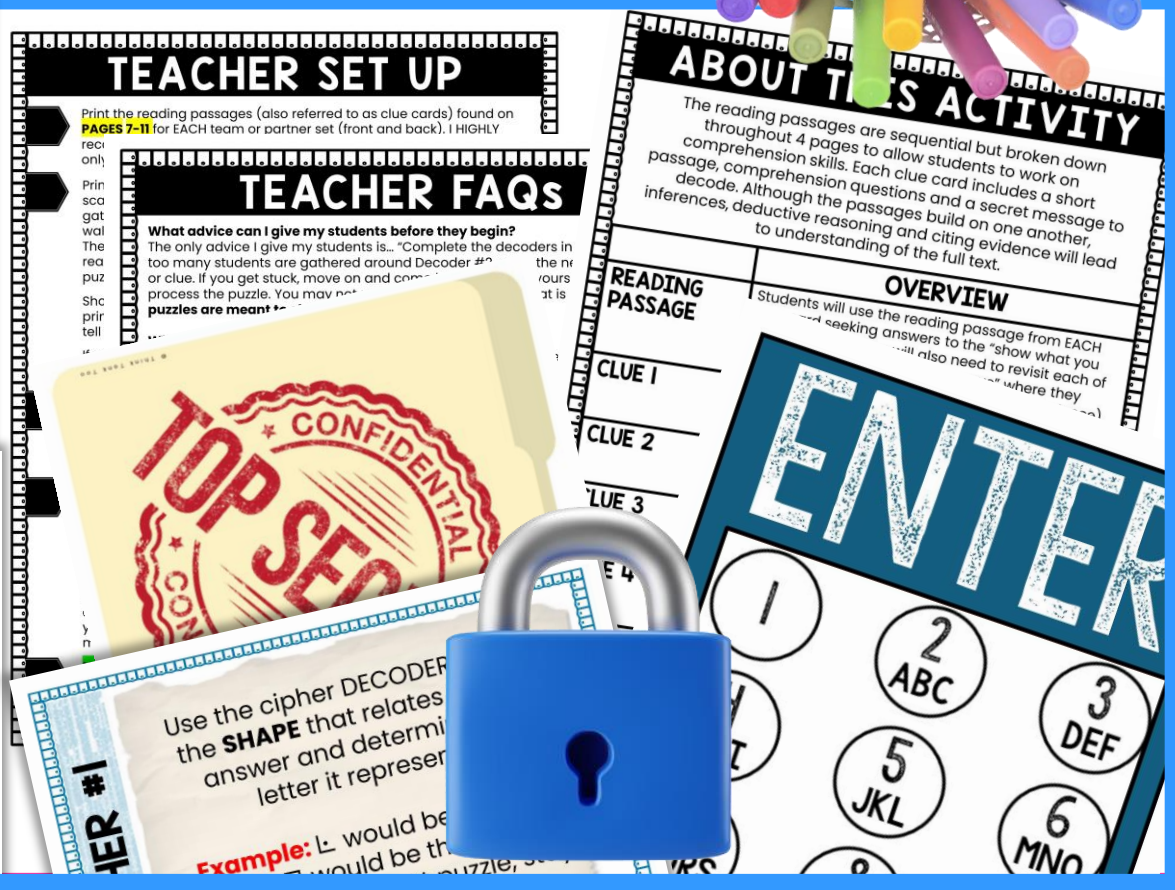


WHAT'S INCLUDED?

- 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







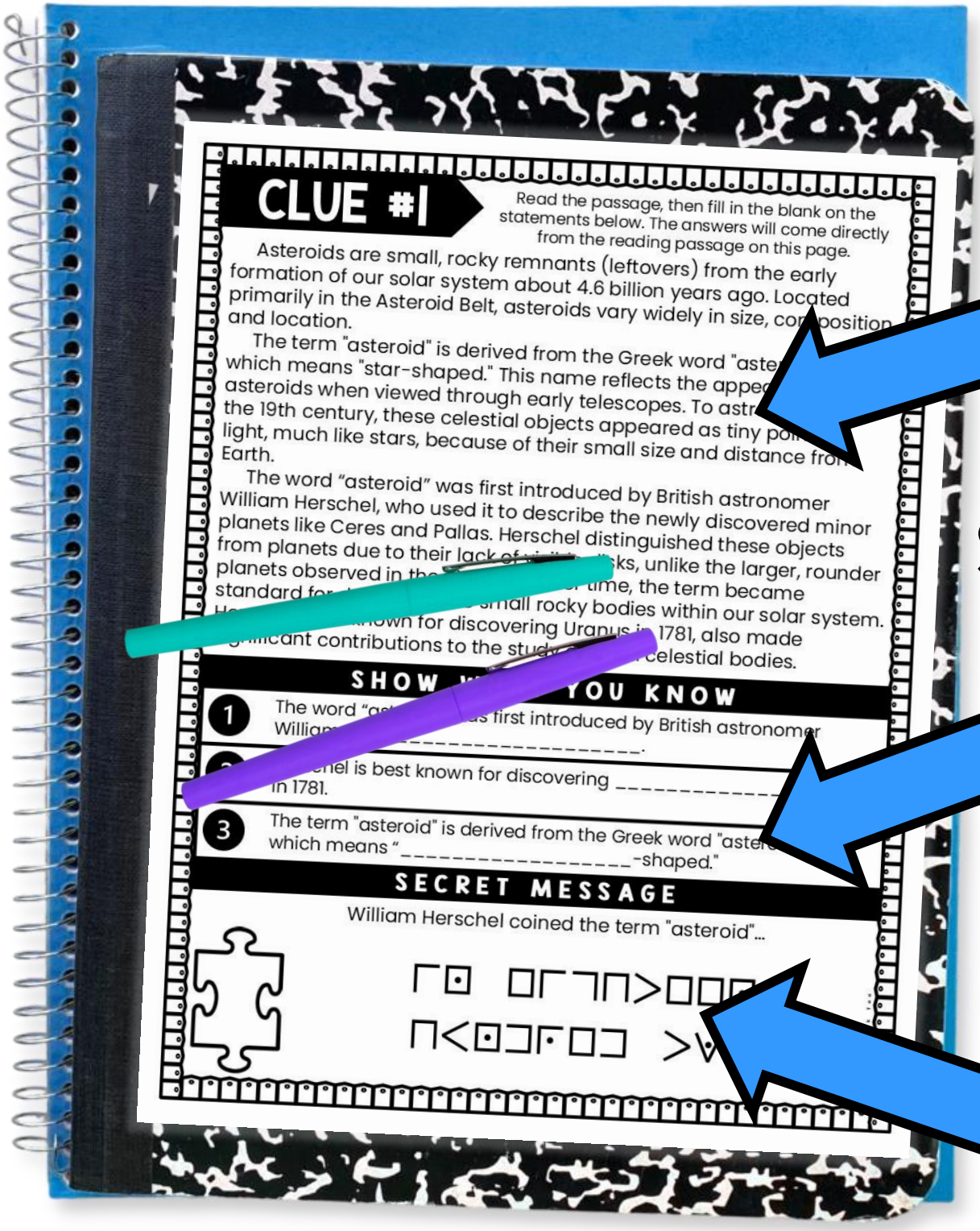
4 CLUE CARDS


CLUE #2
Read the passage below, then
False statements. Circle T for True or
Asteroids, sometimes referred to as minor planets, are often
described as leftover building blocks from the solar system's
formation. When the Sun and planets formed from a rotating disk of
gas and dust, not all material merged into planets. In regions where
gravitational forces were too disruptive, particularly near Jup
material failed to form a pl
known as asteroids.
The Asteroid Belt, lo
contains the majority
approximately 1
of asteroids. Th
significant dist
linked to the
prevented th
Ceres is t
classified a
contains
discovere
KNOW
Belt and the
the orbits of
1 Ceres is
only one classifie
2 The Asteroid Belt is located
Mercury and Venus.
3 When the Sun and planets formed from a rotating disk
of gas and dust, not all material merged into planets.
SECRET MESSAGE
Vesta is the second-largest asteroid, with a diam
24 21 22 1 1
21 16 6 18 22 1
24 21 17 22 24 23
10 17 14 1 13
CLUE #1
Read the passage, then
statements below. The answers
from the reading passage on this
Asteroids are small, rocky remnants (leftovers) from the early
formation of our solar system about 4.6 billion years ago. Located
primarily in the Asteroid Belt, asteroids vary widely in size, composition,
and location.
The term "asteroid" is derived from the Greek word "asteroeides,"
which means "star-shaped." This name reflects the appearance of
asteroids when viewed through early telescopes. To astronomers of
the 19th century, these celestial
light, much like stars, because
Earth.
The word "asteroid" was
William Herschel, who
planets like Ceres and
from planets due to
planets observed in
standard for descr
Herschel, best kno
significant contri
astronomer
1 The wor
William
2 Herschel is best k
in 1781.
3 The term "asteroid" is derived from
which means "
SECRET MESSAGE
William Herschel coined the term "asteroid"...
CLUE #3
SHOW WHAT YOU KNOW
1 Asteroids are classified into
types based on their composition.
2 S-Type (Silicaceous) are also known as
asteroids.
3 is the third-largest asteroid,
approximately 318 miles wide.
SECRET MESSAGE
NASA launched the Dawn mission to visit Ceres and Vesta in....
1-5 1-2 1-9
SHOW WHAT YOU KNOW
1 Bennu is an extremely large Near-Earth Asteroid (NEA)
discovered in 1947.
2 Trojan asteroids share an orbit with a smaller planet,
such as Earth.
3 The International Asteroid Warning Network (IAWN)
closely monitors asteroids.
SECRET MESSAGE
Bennu makes it closest approach to...
33 2 777 8 44
33 888 33 777 999
999 33 2 7
444 99

4 DECODERS


D E P Q
G H I
W Y
X Z
S U
T V
H=21 L=14
U=16 R=22
Hildas
"Trojans"
Venus
Mercury
Sun
Earth
Mars
Jupiter
"Greeks"
Vesta
Ceres
Eros
Pluto
Charon
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
Near-Earth Asteroids Discovered
Most recent discovery: 2024-Mar-30
All
140m+
1km+
40 000
30 000
20 000
10 000

READ & THINK



READ THE PASSAGE

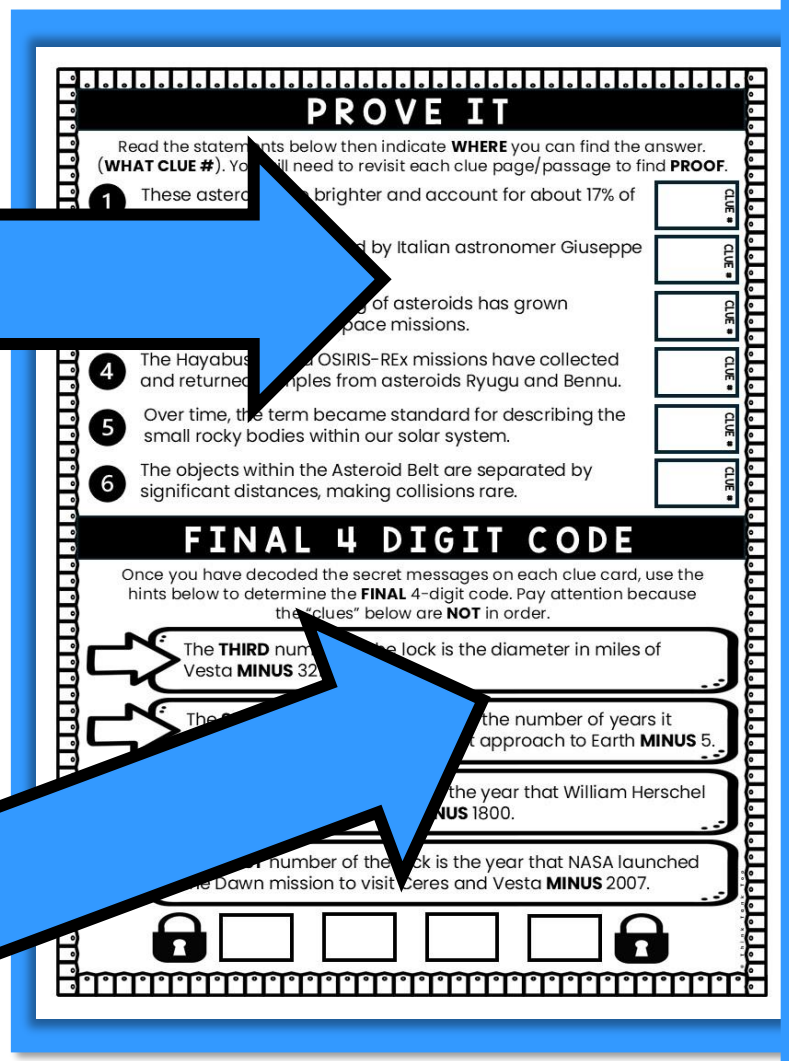
SHOW WHAT YOU KNOW

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