

PLANET SATURN

ESCAPE ROOM

PLANET SATURN
net from the sun in the Solar System. It is the second largest planet in the Solar System. It is surrounded by a thick atmosphere of hydrogen and helium, with a ring system of ice and rock. Discovered in ancient times, Saturn was named after the Roman god of agriculture. The rings were first discovered in 1610 by Galileo Galilei, and later more fully described by Christiaan Huygens in 1655. Saturn is the only planet in the Solar System that has a ring system. It is also the only planet in the Solar System that has a ring system made of ice and rock. Saturn is the only planet in the Solar System that has a ring system made of ice and rock. Saturn is the only planet in the Solar System that has a ring system made of ice and rock.

LEVEL 1 DECODER

A	B	C	J	K	L
D	E	F	M	N	O
G	H	I	P	Q	R
T	S	U	X	W	Y
			Z		

L=2	J=q	F=1
R=0	W=4	A=6
T=8	G=3	Z=5
Q=7	D=q	P=0
H=1	Y=8	B=3
N=4	C=6	K=1

LEVEL 2 DECODER

FIND THE VALUE OF EACH LETTER

A =

o	x	o
x		o
o	x	o

LEVEL 1: QUESTION 2

Saturn has at least how many known rings?

<	30	>	40
<	50	>	60

LEVEL 1: QUESTION 4

What year did Huygens identify the rings using a more advanced telescope?

1642

RECORDING SHEET

LEVEL 1	Q1	Q2	Q3
	#	#	#

THINK TANK

WHAT'S INCLUDED?

PLANET SATURN

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 agriculture and harvest.

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 1600s.

LEVEL 1: QUESTION 1 **LEVEL 1: QUESTION 2**

LEVEL 2: QUESTION 1 **LEVEL 2: QUESTION 2**

LEVEL 3: QUESTION 1 **LEVEL 3: QUESTION 2**




LEVEL 4: QUESTION 1 **LEVEL 4: QUESTION 2**




LEVEL 1 DECODER




A	B	C	J	K	L	L=2	J=9	F=1
D	E	F	M	N	O	R=0	W=4	A=6




LEVEL 2 DECODER

FIND THE VALUE OF EACH LETTER

A =   

B =   

C =   

D =   





LEVEL 3 DECODER

1 2 3

ABC DEF

LEVEL 4 DECODER

A B C D 8 0

Q     4 3

RECORDING SHEET

LEVEL 1

Q1	Q2	Q3	Q4
#	#	#	#

LEVEL 2

Q1	Q2	Q3	Q4
#	#	#	#







HOW TO DECODE



Find the SHAPE that relates to your answer and determine the letter it represents. Example: L would be the letter L and □ would be the letter D. Next, use the chart to determine what NUMBER the letter represents. D=9 and L=2.

A	B	C	J	K	L	L=2	J=9	F=1
D	E	F	M	N	O	R=0	W=4	A=6
G	H	I	P	Q	R	T=8	G=3	Z=5
S	U	V	X	Y	Z	Q=7	D=9	P=0
						H=1	Y=8	B=3

This one can be tricky! First answer the FOUR questions for that level. Then, using the 'math' problems, determine what each correct letter holds as a value (number). Be sure to enter the answers in the SAME ORDER as you answer the questions. Ex: D=9, W=4, A=6, L=2.

LEVEL 2 DECODER

 +  =  A =   

 +  = 8 B =

 + = 2 C =

- ✓ READING PASSAGE
- ✓ 4 PUZZLE DECODERS
- ✓ 16 MULTIPLE CHOICE Q'S
- ✓ TEACHER GUIDE
- ✓ ANSWER KEY
- ✓ STUDENT DIRECTIONS
- ✓ HINT CARDS



16 QUESTIONS

PLANET SATURN
et from the sun in the Solar System.
s surrounding it. Saturn is bright and
Discovered in ancient times, Saturn
and harvest.
s ago, dust and gases swirled together
d Saturn in the 8th century BC. Galileo
ing at three planets or a planet with
n 1659, a Dutch astronomer named Christiaan
using a more advanced telescope
planet with rings. Saturn's rings
with a regular telescope may be pieces
e planet.

LEVEL 1: QUESTION 1
Saturn is the ___ planet
from the sun.

J	A
Fourth	Eight
F	G
Sixth	Fifth

LEVEL 1: QUESTION 2
Saturn has at least
many known moons.

<	>
30	
<	>
50	

LEVEL 2: QUESTION 1
Who first recorded Saturn
in 8th century BC?

A	B
Egyptians	Babylonians
C	D
Aztec	Assyrians

LEVEL 1: QUESTION 3
Saturn has an average
temperature of ___
Celsius.

RECORDING SHEET
LEVEL 1

Q1	Q2	Q3	Q4
#	#	#	#

LEVEL 1 DECODER

B	C	J	K	L
E	F	M	N	O
H	I	P	Q	R
U		X	W	Y
		Z		

LEVEL 4: QUESTION 1
What did Galileo call the
rings of Saturn?

A	B
Engagements	Ears
C	D
Gems	Holders

RECORDING SHEET
LEVEL 1

Q1	Q2	Q3	Q4
#	#	#	#

LEVEL 3: QUESTION 1
What are the main rings
of Saturn called?

A	T
A, B, C	1, 2, 3
H	L
X, Y, Z	G, E, M

LEVEL 3: QUESTION 2
Saturn was named after
the Roman god of
agriculture and ___.

E	M
Industry	Seeds
Y	B
Harvest	Farmers

LEVEL 3: QUESTION 3
Saturn is a ___ meaning it
has no solid surface.

I	J
Plasma void	

LEVEL 3: QUESTION 4
What year did the
Cassini-Huygens
spacecraft
arrive at Saturn?

LEVEL 4: QUESTION 2

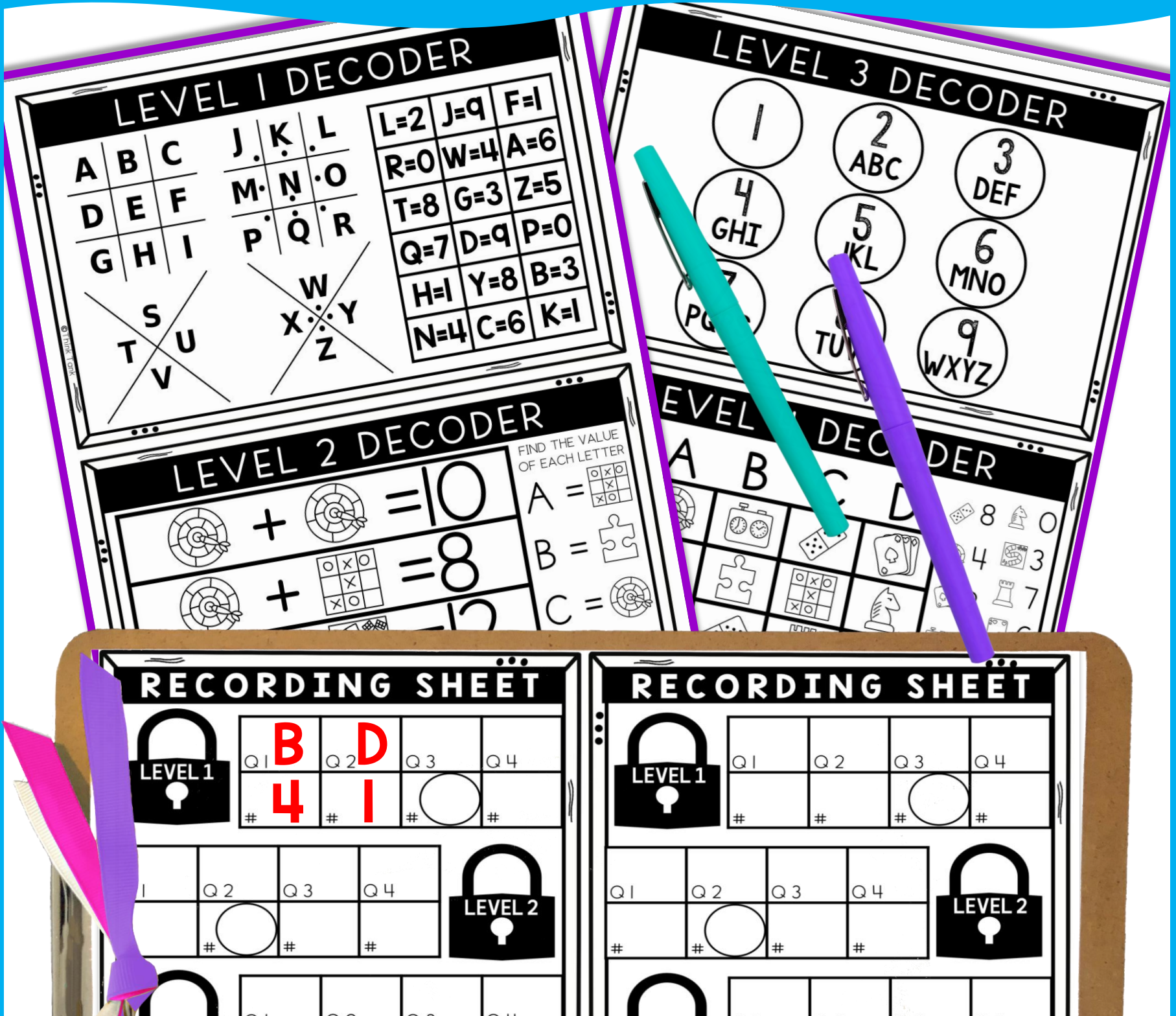
LEVEL 3 DECODER

1	2	3
4	5	6
7	8	9

LEVEL 4 DECODER

A	B	C	D
Q1	Q2	Q3	Q4
8	4	2	0
3	7	6	


PUZZLE TYPES



PRINT, CUT, PLAY



HOW IT WORKS



ENGAGING READING COMPREHENSION PRACTICE!

1

Students work individually (or in pairs) and visit 16 question cards.

2

Students will answer the questions found directly in the passage on their recording sheet.

3

Students will use that specific “decoder” to reveal a 4-digit code for each level.

PLANET SAT

Saturn is the sixth planet from the sun in the Solar system with the largest rings surrounding it. Saturn is the second largest planet in the Solar System, after Jupiter. It is the only planet in the Solar System that can be seen with the naked eye from Earth without a telescope. Discovered in ancient times, Saturn was named after the Roman god of agriculture and harvest. Around 4 million years ago, dust and gases swirled together to form the planet. The first recorded observation of Saturn was by the Assyrians in the 8th century BC. Galileo Galilei was the first to observe the rings of Saturn "ears" in 1610 with his telescope.

LEVEL 1 DECODER

A	B	C
D	E	F
G	H	I

J	K	L
M	N	O
P	Q	R

L=2	J=9	F=1
R=0	W=4	A=7
T=8	G=3	Z=5
Q=7	D=9	P=6
H=1	Y=8	B=3
N=4	C=6	K=1

LEVEL 1: QUESTION 1

Saturn is the ___ planet from the sun.

<input type="checkbox"/> Fourth	<input checked="" type="checkbox"/> A	<input type="checkbox"/> Eighth
<input type="checkbox"/> Sixth	<input type="checkbox"/> B	<input type="checkbox"/> Fifth

LEVEL 1: QUESTION 2

Saturn has ___ many known moons.

<input type="checkbox"/> 30	<input type="checkbox"/> C
<input type="checkbox"/> 50	<input type="checkbox"/> D

LEVEL 1: QUESTION 3

Saturn has an average temperature of ___ degrees Fahrenheit.

<input type="checkbox"/> 140	<input type="checkbox"/> E
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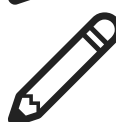
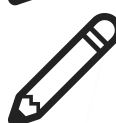
LEVEL 1: QUESTION 4





What year did the first spacecraft identify the rings of Saturn?
Advanced level

BENEFITS



THINK OUTSIDE THE BOX!

-  ANTICIPATORY SETS
-  UNIT REVIEW
-  EARLY FINISHERS
-  STATIONS
-  SUB PLANS
-  PARTNER WORK
-  ENRICHMENT

-  LOW PREP
-  PRINT, CUT & PLAY
-  CROSS-CURRICULAR
-  HIGHLY ENGAGING

