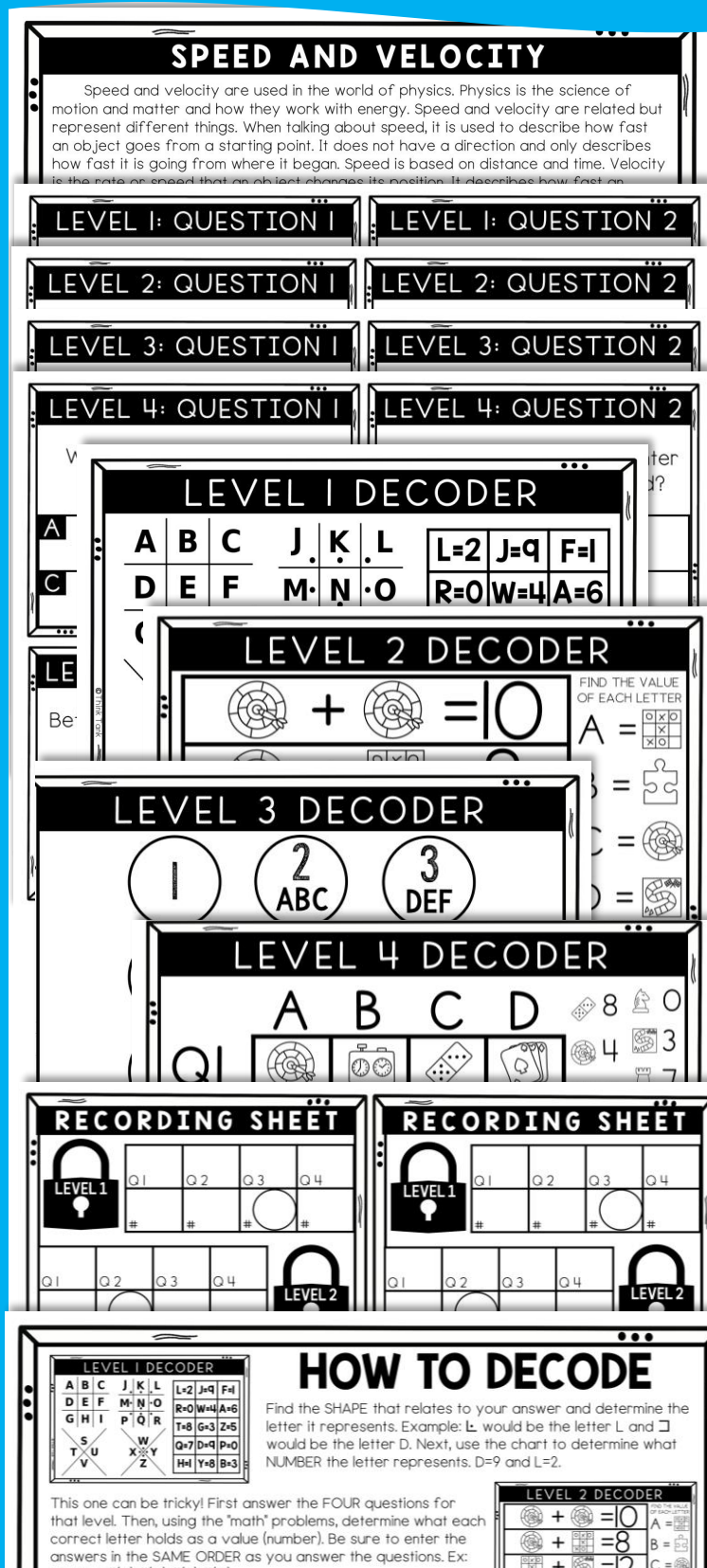


WHAT'S INCLUDED?



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



16 QUESTIONS

LEVEL 1: QUESTION 1
Speed is based on --- and time.
A Height B Distance
C Mass D Stamina

LEVEL 1: QUESTION 2
What is the difference between a starting and ending point?
A Velocity B Momentum

LEVEL 2: QUESTION 1
--- is the science of motion and matter and how they work with energy.
A Geology B Chemistry
C Physics D Astronomy

LEVEL 1: QUESTION 3
How do cars measure speed?

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 Y Z
L=2 J=q
R=0 W=4
T=8 G=3
Q=7 D=q
H=l Y=8
N=4 C=6

LEVEL 4: QUESTION 1
--- is the rate or speed that an object changes its position.
A Acceleration B Fulcrum
C Velocity D Mass

RECORDING SHEET
LEVEL 1
Q1 Q2 Q3 Q4
#

LEVEL 3: QUESTION 1
Velocity equals change in distance divided by change in ---.
A Power B Speed
C Time D Momentum

LEVEL 4: QUESTION 2

LEVEL 3: QUESTION 2
What describes how fast an object goes from a starting point?
A Physics B Speed
C Mass D Velocity

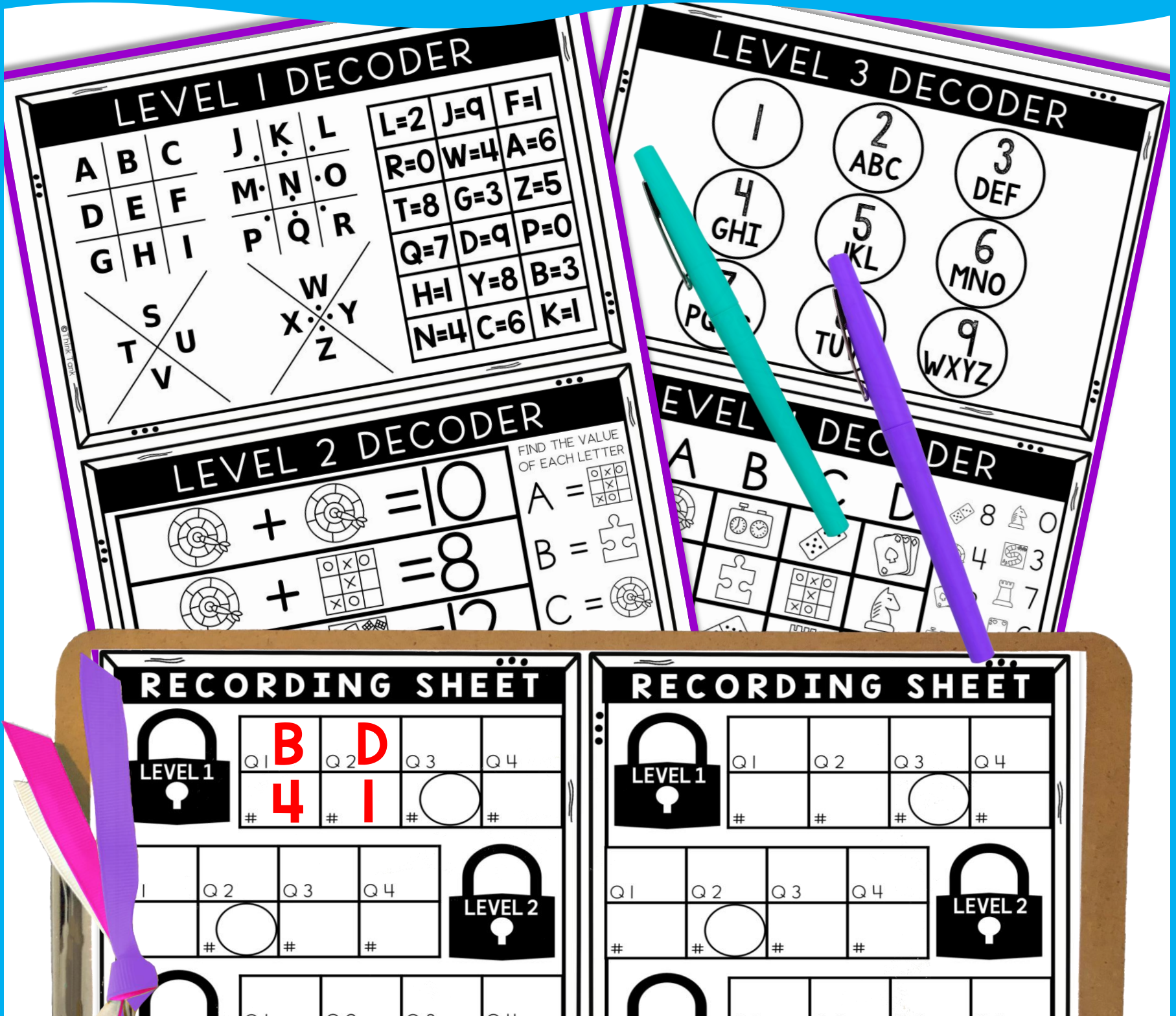
LEVEL 3: QUESTION 3
Who was the first scientist to measure speed?
A Newton B

LEVEL 3: QUESTION 4
What letter do scientists use to represent speed?

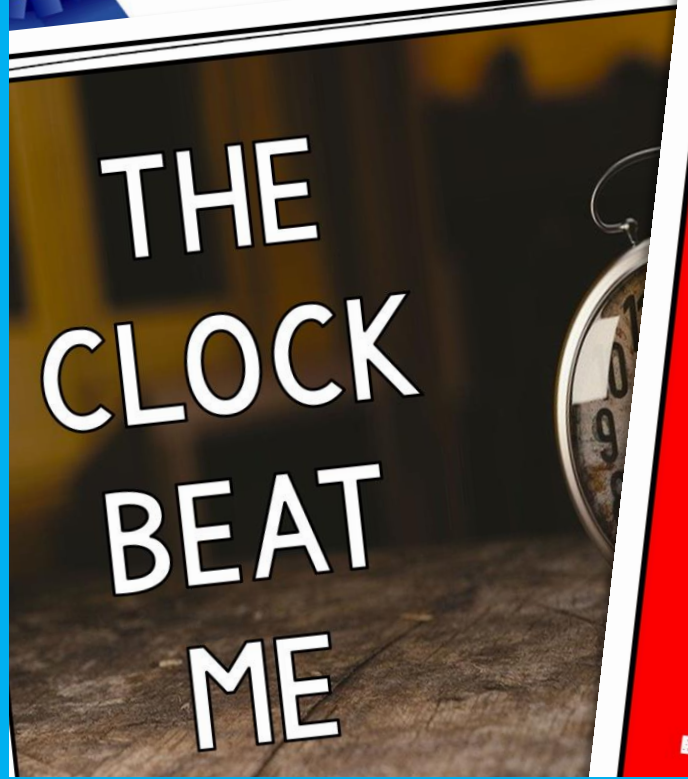
LEVEL 3 DECODER
1 2 3
4 5 6
7 8 9
WXYZ

LEVEL 4 DECODER
A B C D
Q1 Q2 Q3


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.

SPEED AND VELOCITY

Speed and velocity are used in the world of physics to describe motion and matter and how they work with energy. Speed and velocity represent different things. When talking about speed, we are talking about how fast an object goes from a starting point. It does not have anything to do with how fast it is going from where it began. Speed is based on the rate or speed that an object changes its position over time. Velocity is the rate or speed that an object goes as well as its direction. Velocity is a combination of speed and direction.

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=7
G	H	I	P	Q	R	T=8	G=3	Z=6
T	S	U	X	W	Y	Q=7	D=9	P=0
						H=1	Y=8	B=3
						N=4	C=6	K=1

LEVEL 1: QUESTION 1

Speed is based on _____ and time.

Height

Mass

Distance

Stamina

LEVEL 1: QUESTION 2

What is the difference between a starting point and ending point?

Velocity

Momentum

LEVEL 1: QUESTION 3

How do cars measure their speed?

Barometer




LEVEL 1: QUESTION 4




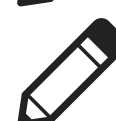
Speed is _____ it can be measured with a numerical value.

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

