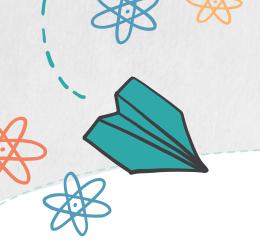
MOTION AND SIMPLE MACHINES

STUDENT JOURNAL

This journal belongs to:





Motion And Simple Machines

LEVEL 3-6 STUDENT JOURNAL



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INSTRUCTIONS

This student journal accompanies The Good and the Beautiful Motion and Simple Machines science unit. It contains all the worksheets and journal pages that are needed to complete the unit. Each student will need his or her own copy of the science journal.

Have each student take his or her time to create highquality work as the activities and worksheets are completed. Students may enjoy looking back on their past discoveries when they've finished.



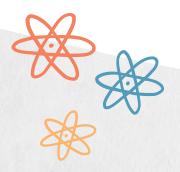




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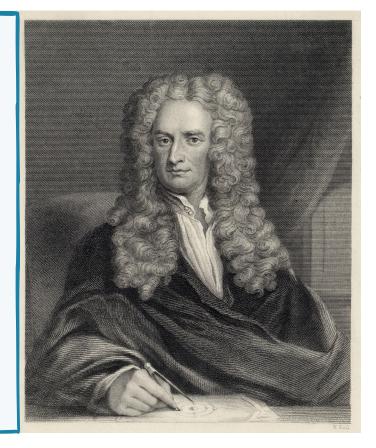




Isaac Newton

Directions: Cut and paste the quote from Isaac Newton (found on the bottom of the page) in the space provided below.

Directions: Draw or write two things you learned or loved about Isaac Newton from the video.



"I believe the more I study science, the more I believe in God." -Isaac Newton





An object	in motion stays in	; an	at	rest
stays at .	until .	upon by a		

Word Bank rest force object acted motion

ACTIVITY #1

Write or draw what happened when the card was flicked:

ACTIVITY #2

Write or draw what happened when the penny was flicked:

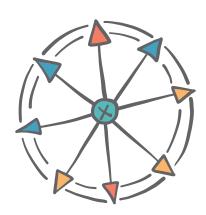




Speed & Velocity







How long does it take a ball to roll 4 feet?

Time: _

DEFINITION MATCH

Match the term to the correct definition.

Distance:

Speed:

Instantaneous
Speed:

Velocity:

Acceleration:

the rate at which an object travels in a certain amount of time

the speed and direction of an object

any change in direction and/or speed, either faster or slower

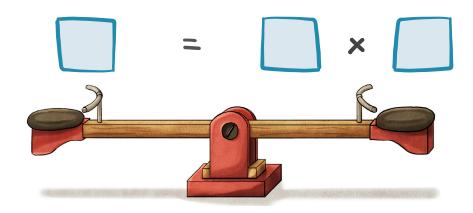
the speed of an object at a specific instant in time

how much ground has been covered during the movement of an object



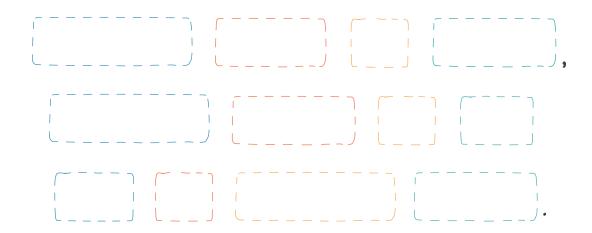






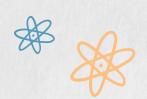
Directions: Cut out the words at the bottom of the page. Place and then glue them in the correct order to create the definition for Newton's Second Law.





Word Bank Cutouts

the greater it to i an object of will the mass it if force it the greater the object in need if accelerate



Gravity

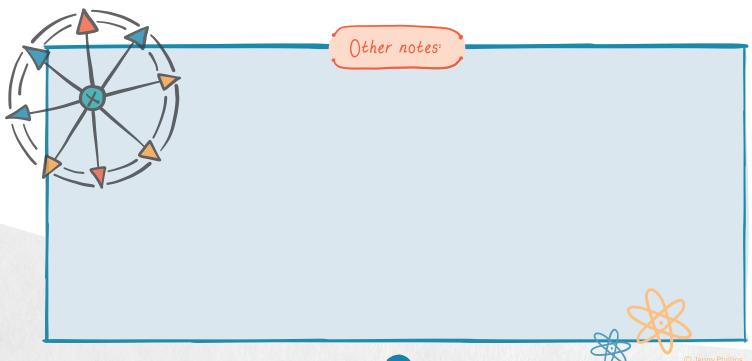


DROPPING DIFFERENT BALLS EXPERIMENT

My hypothesis:

The outcome:

Gravity is a _____ of attraction between ____ masses.





Newton's Third Law





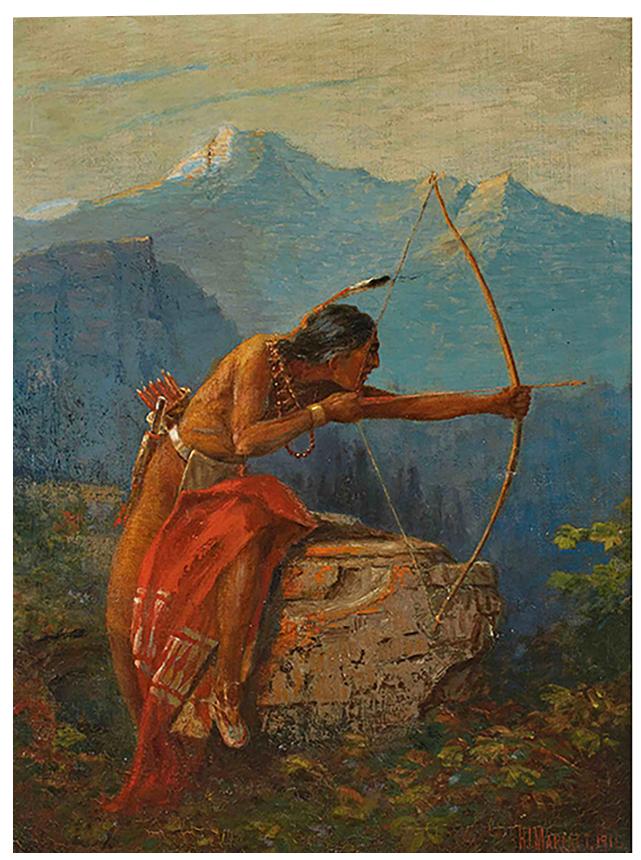
Directions: Find the hidden message by coloring all the letters in the puzzle below in red and all the numbers blue. Then read the hidden message in red.

1	8	W	Н	E	N	6	3	5	4	A	N	2	1	7
3	6	0	В	J	E	C	Т	2	6	9	Р	υ	S	Н
E	S	8	2	6	7	Т	0	w	A	R	D	1	3	5
A	N	O	Т	Н	E	R	9	1	5	3	0	В	J	Е
C	Т	8	9	1	Т	Н	E	2	9	1	8	3	0	В
J	Е	C	Т	2	5	1	8	7	В	Е	I	N	G	6
8	2	7	A	C	Т	Е	D	1	9	5	2	4	7	9
2	U	P	0	N	1	8	7	Р	υ	S	Н	E	S	5
2	8	9	5	4	2	8	6	4	В	A	C	K	7	3
1	3	2	W	I	Т	Н	5	6	4	8	7	E	Q	υ
A	L	1	5	7	6	9	3	F	0	R	С	E	8	1

Examples of Newton's Third Law:



"Native American Bow Hunting" by Hamilton Irving Marlatt (1867–1929), 1915



1 SPY: WEDGES AND LEVERS

Circle all the wedges in red and all the levers in blue.

NOTE: Four items can be circled for both types of simple machine.



Draw or list the simple levers you see around you.

Wheel and Axle

Inclined Plane



