

LEARNING ACTIVITY SHEETS

Grade 4 – Science


Name: _____ Date: _____ Rating/Score: _____

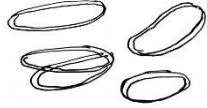
May the Force Be With You!

Part A: Force Your Way!


Directions: Choose the force/forces that you can apply to change the shape of the given material.

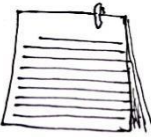
Bending	Crumpling	Pounding
Cutting	Stretching	

1.  newspaper _____

2.  rubber band _____

3.  Chalk _____

4.  plastic ruler _____

5.  sheets of paper _____

Specific Week: Week 1-2 (LAS 1)

Target Competency: Explain the effects of force when applied to an object (SAFE-III-a-1)






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Part B: Small, Medium, Large!

Directions: Match the force to be applied listed in column B to change the size of the object in column A.

	A		B
_____ 1.		ceramic flower vase	A. cutting
_____ 2.		pork	B. grinding
_____ 3.		garlic	C. dropping
_____ 4.		wood	D. sharpening
_____ 5.		pencil	E. pounding

Guide Questions:

1. How would you describe the size of the material before and after the force is applied on it?

2. Give another situation where an applied force changes the size of an object.

Specific Week: Week 1-2 (LAS 1)

Target Competency: Explain the effects of force when applied to an object (SAFE-III-a-1)

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Part C: Transform and Roll Out!

Directions: Write **TRUE** if the statement is correct. If not, change the underlined word or phrase to make it correct.

- _____ 1. Force causes objects to move.
- _____ 2. The movement of a given object may not change if force is applied.
- _____ 3. A ball that is standing still will move when touched by a person.
- _____ 4. Pushing or pulling an object is the force that sets an object into motion.
- _____ 5. The greater the mass of an object, the lesser is the force needed to move the object.
- _____ 6. It requires a greater force to move a table than a chair.
- _____ 7. A toy car will move farther when the force applied is stronger.
- _____ 8. A soccer ball will travel a shorter distance when kicked harder.
- _____ 9. The harder you pull a rubber band the longer it will be stretched.
- _____ 10. Force does not affect the movement of an object.

Specific Week: Week 1-2 (LAS 1)

Target Competency: Explain the effects of force when applied to an object (SAFE-III-a-1)

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Part D: Check Your Understanding

Directions: Complete the table below. Number 1 is done for you.

Activities Done At Home	How Force is Applied	Effect/Result when Force is Applied
1.Slicing carrots	Cutting	Change in size and shape
2.		
3.		
4.		
5.		
6.		

Specific Week: Week 1-2 (LAS 1)

Target Competency: Explain the effects of force when applied to an object (SAFE-III-a-1)

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