

TARWATER ELEMENTARY SCHOOL STEM LAB

Activity ID: 0-5

Activity Name: Results that Really Hold Up

MATERIALS:

Materials Provided in Bin:

Item:	Quantity:	Notes:
Lesson Plan		
Dictionary		

Materials In STEM Lab or Classroom (Common Items):

Item:	Quantity:	Notes:
Sheet 8.5" X 11" Paper	1	
Ruler	1	
Scissor	1	
1-inch strip of tape	3	

Materials Teacher/Parents Need to Provide:

Item:	Quantity:	Notes:
None		

WHAT ARE WE DOING?

How can you use an 8.5" x 11" piece of paper to hold a dictionary 2" from the desk?

VIDEOS / LINKS:

None

SAFETY NOTES:

None

SCIENCE TERMS:

None Provided

STEPS:

1. Work in small groups to create an invention to answer the question above using the supplies given. Make sure you include everyone's input!
2. Test your invention using the following criteria:
 - a) Your invention will hold an entire dictionary 2" from the surface of the desk.
 - b) You cannot be touching the desk or invention while testing.
 - c) You may not use any materials for the invention other than what's listed above.

3. If your first trial is successful, you may throw out your invention and get a new set of materials for another trial: the members of your group should describe the invention and sketch it before beginning another.

QUESTIONS TO ASK STUDENTS:

What would one material would you add to your list to better hold up the dictionary?

What did you learn from your various different designs?

CLEAN-UP

Into the Bin = Lesson, Dictionary

Back to Lab/Classroom = Scissors, Rulers

Trash/Recycle = Recycle the Paper, Throw out the tape

**IF RUNNING OUT OF A SUPPLY IN THE BIN, PLEASE
CONTACT LAURIE JONES IN THE OFFICE (X4307)
JONES.LAURIE@CUSD80.COM**