

Examining Forces

Today you will complete your final station for your Examining Forces experiment. Please take a moment, with your group, to discuss the safety concerns at your current station.


Remember that you need to document your observations and your thoughts, so that you can include them in your lab report. For observations:

- Did you hear anything?
- How did it feel to apply the force?
- Is there any change in the material when you apply the force?

It is your group's responsibility to clean up your station when you are done.

If you finish early you may:

- explore the concepts at your station further.
- start documenting things for your lab report (start answering discussion questions).
- update/complete your science binder.





Examining Forces

Criteria	Level			
	1	2	3	4
Purpose	Purpose relates to the concepts being examined in the activity.	Purpose explains the main concept of the activity.	Purpose accurately explains what learning was to be achieved through the activity, using appropriate vocabulary.	Level 3 Plus: Purpose relates the experiment to the world outside the classroom.
Equipment	Most of the equipment used for the activity is included, or no bullets are used.	Most equipment, with images, or all equipment with no images, used for the activity is included, using a bulleted list.	All equipment used for the activity is included, using a bulleted list and images of some of the equipment are included.	Level 3 Plus: An introductory sentence is used and images of all equipment is included.
Procedure	Most steps taken to complete the activity are included, or steps are not in a numbered list.	Most steps, clearly explained, or all steps briefly explained, are included, using a numbered list.	All steps taken to complete the activity are included, in order, clearly explained, using a numbered list.	Level 3 Plus: An introductory sentence is used and images are used to show complicated steps.



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Criteria	Level			
	1	2	3	4
Observations	Data is recorded in some fashion.	Data is recorded in the appropriate form (chart, graph, etc) some images are included	All data is properly recorded in the appropriate form (chart, graph, etc) with necessary images.	Level 3 Plus: Data and images are extremely well organized.
	Written observations are basic, or use only one of the senses.	Written observations briefly describe the activity using multiple senses or are detailed using only one sense.	Written observations describe activity, in detail, using multiple senses.	Level 3 Plus: Written observations are extensive and organized into easily read sentences / paragraphs.
Discussion	Most required discussion questions/topics are addressed, with answers on topic.	Most required discussion questions/topics are addressed, mostly accurately.	All required discussion questions/topics are accurately addressed, with appropriate detail.	Level 3 Plus: Extensive details are added to fully explain answers.
	A personal topic, related to activity, is discussed, or multiple topics are discussed briefly.	Multiple personal topics, related to activity, are discussed with some detail.	Multiple personal topics, related to activity, are discussed in detail.	Level 3 Plus: Extensive details and relates learning to world outside the classroom.



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	1	2	3	4
Additional Information	Includes basic additions, such as a title page and table of contents. __ Title Page __ Table of Contents	Level 1 Plus: Digital additions, such as data table and pictures, are added. __ Digital Additions	Level 2 Plus: Two additions that show further understanding of the material. _____ _____	Level 3 Plus: Two more additions that show further understanding of the material. _____ _____

Your lab report is due in **2 weeks**. Do not wait until the last few nights, as it will not be done to the best of your ability.

Also, keep in mind there are resources available online to help make sure you follow the criteria, as well as the two rubrics you already have that show you where you can look to make improvements.