

## HOMEWORK ASSIGNMENTS FOR UNIT

### CHAPTER 14

SEPTEMBER 16 – SEPT 27

### TEST ON September 27

General Instructions: Complete one “layer” before going on to the next. Each assignment has a point value based on the amount of time and effort is needed to complete the task. You must earn the required number of points to receive the grade. **Read chapter 14 before starting any of the tasks below.**

#### Layer D: Basic understanding, ALL REQUIRED (50 POINTS)

Due date	Completed	Points	Assignments	initials
9/18		20	Vocabulary for all of chapter 14, foldable	
9/20		20	Power point notes	
9/20		10	Work on organization, change one thing on how you organize and write a page on what you did.	

**Layer C: In order to receive full credit must earn 25 points. Choose any of the combinations of the activities below.**

Due date	Completed	Points	Assignments	initials
9/24		15	Read the three articles and write a summary on each one <a href="http://www.barcodesinc.com/articles/simple-machines.htm">http://www.barcodesinc.com/articles/simple-machines.htm</a> <a href="http://auto.howstuffworks.com/auto-parts/towing/towing-capacity/information/fpte4.htm">http://auto.howstuffworks.com/auto-parts/towing/towing-capacity/information/fpte4.htm</a>	
9/24		15	Watch the four videos and write a summary on each <a href="http://www.cleanvideosearch.com/media/action/yt/watch?v=mK0FUxGKsG4">http://www.cleanvideosearch.com/media/action/yt/watch?v=mK0FUxGKsG4</a> <a href="http://www.cleanvideosearch.com/media/action/yt/watch?v=2WS1sG9fhOk">http://www.cleanvideosearch.com/media/action/yt/watch?v=2WS1sG9fhOk</a> <a href="http://www.cleanvideosearch.com/media/action/yt/watch?v=rUc6q01CCJU&amp;name=Six+Simple+Machines+Physics+Video&amp;uploadUsername=twins0fan&amp;hitCount=99">http://www.cleanvideosearch.com/media/action/yt/watch?v=rUc6q01CCJU&amp;name=Six+Simple+Machines+Physics+Video&amp;uploadUsername=twins0fan&amp;hitCount=99</a> <a href="http://www.cleanvideosearch.com/media/action/yt/watch?v=rUc6q01CCJU&amp;name=Six+Simple+Machines+Physics+Video&amp;uploadUsername=twins0fan&amp;hitCount=99">http://www.cleanvideosearch.com/media/action/yt/watch?v=rUc6q01CCJU&amp;name=Six+Simple+Machines+Physics+Video&amp;uploadUsername=twins0fan&amp;hitCount=99</a>	
9/24		10	Do the chapter assessment on page 441, 1-21	
9/24		10	Sections review <b>416</b> , 1-6 <b>420</b> , 1-6 <b>426</b> , 1-5 <b>435</b> , 1-6	
9/24		5	Create a Concept Map breaking down all the concepts of Work	
9/24		5	Make a poster board showing at least three concepts	
9/24		5	Write a page summarizing the chapter	

**Layer B: You must choose two (10 points) from the list below**

<b>Due date</b>	<b>Completed</b>	<b>Points</b>	<b>Assignments</b>	<b>initials</b>
9/26		5	Critical thinking 442, 22-25	
9/26		5	Concepts in action 442, 30-33	
9/26		5	Writing in science 442, 34	
9/26		5	Describe real life situations in which you will use the 5 simple machines	

**Layer A: Choose one from below**

<b>Due date</b>	<b>Completed</b>	<b>Points</b>	<b>Assignments</b>	<b>initials</b>
9/27			Imagine you have a younger brother who weighs half as much as you do. Design a seesaw you could use together. Create a model of your seesaw design and label it to show the distances that you and your brother must sit from the fulcrum. Explain why you chose the fulcrum position as you did	
9/27			<b>Going further on page 437</b> states: Write an instruction manual to explain how a new cyclist can make the best use of gear ratios. Use terms from this feature to describe which gear ratios are best for different situations and why.	