Physics G

Work and Energy

(Chapter 5 Syllabus)

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| **B/A** | In Class  | Due on this class | If you miss this class |
| **1****Mar**9/12 | -Why it is important to consider the weight of a barrel of bricks.-It's all Uphill lab-Calculating work-Work, Weight and Friction | **Turn In:** It's all Uphill (in class lab) | **Read:** 5.1**Watch:** Videos A |
| **2****Mar****13/14** | -Power-Power, work and weight Jambalaya!!-Efficiency |  | **Read:** 5.4**Watch:** Videos B,C,D |
| **3****Mar****15/16** | -Work on Jambalaya Quizlette (Jambalette) | **Turn In:** Jambalette | **Read:** 5.2**Watch:** Videos B,C,D |
| **4****Mar****21/22** | -Energy-Kinetic energy-Potential Energy-Conservation of energy-Staring death in the eye | **Check:** P5.1#1,2**Turn In:** P5.1#1,2 | **Read** 5.3**Watch:** Videos E, F, G, K |
| **5****Mar 23/****Apr 3** | -Solving conservation of energy problems-Work on Conservation of Energy Quizlette | **Check:** P5.0#1,3,5,7,9,11,13,15,17**Turn In:** P5.0#1,3,5,7,9,11,13,15,17 | **Read** 5.3**Watch:** Videos E, F, G, K |
| **6****Apr****4/5** | -Finish Conservation of Energy Quizlette | **Turn In:** Conservation of Energy Quizlette | **Watch:** Videos E, F, G, K |
| **7****Apr****6/9** | -Get Human Power output data-Pass out FA 5.0, 5.1, 5.2 -Work on Human Power output calculations | **Check:** P5.2#1,2 | **Watch:** Video on Human Power Output web pageHave someone time you climbing stairs (when you get back) |
| **8****Apr****10/11** | -Play with Roller coasters?-Finish FA 5.0, 5.1, 5.2-Finish Human Power Output | **Check:** P5.2#3,4**Turn in:** Human Power Output lab | **Watch:** Videos on the FA sites |
| **9****Apr****12/16** | **Summative assessments on:****5.0 - Work and Energy****5.1 - Efficiency and Power****5.2 - Conservation of Energy** | **Turn In:** P5.2#1-4**Turn in:** FA 5.0, 5.1, 5.2 |  |
| **Apr****17/18** | **MOMENTUM!!!!!!!** |  |  |

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| Assignments:* 2 Labs:
	+ It's All Uphill/15 pts
	+ *Human Power Output lab*/30 pts
* 3 formative problems sets:
	+ P5.0#1,3,5,7,9,11,13,15,17 (18 pts)
	+ P5.1 #1,2/(16 pts)
	+ P5.2 #1-4/ (32 pts)
* 3 Formative/Summative Assessments:
	+ 5.0 - Work and Energy
	+ 5.1 - Efficiency and Power
	+ 5.2 - Conservation of Energy
 | Handouts:   |