Physics G

Work and Energy - Flipped!!

(Chapter 5 Syllabus)

|  |  |  |  |
| --- | --- | --- | --- |
| **A/B** | 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)-Explanation of video flips-NoteGuide for Intro to Energy |  | **Read:** 5.2**Watch:** Videos B,C,D |
| **4****Mar****21/22** | -Energy that is not Nuclear-Kinetic/Potential/Thermal Demos-Formulas - Work on P5.0: 1,3,5,7, 9, 11 | **Video Flip: Videos E, F, G** | **Read** 5.3**Watch:** Videos E, F, G, K |
| **5****Mar 23/****Apr 3** | -Conservation of energy-Staring death in the eye -Solving conservation of energy problems-Work on Conservation of Energy Quizlette | **Video Flip: Videos K** | **Read** 5.3**Watch:** Videos E, F, G, K |
| **6****Apr****3/4** | -Finish Conservation of Energy Quizlette-Work on P5.2: 1-3 |  | **Watch:** Videos E, F, G, K |
| **7****Apr****5/6** | -Get Human Power output data-Pass out FA 5.0, 5.1, 5.2 -Work on Human Power output calculations | **Video Flip:** Human Power Output Lab | **Watch:** Video on Human Power Output web pageHave someone time you climbing stairs (when you get back) |
| **8****Apr****9/10** | -Play with Roller coasters?-Finish FA 5.0, 5.1, 5.2-Finish/Make up Human Power Output | **Turn in:** Human Power Output lab | **Watch:** Videos on the FA sites |
| **9****Apr****11/12** | **Summative assessments on:****5.0 - Work and Energy****5.1 - Efficiency and Power****5.2 - Conservation of Energy** | **Turn in:** FA 5.0, 5.1, 5.2 |  |
| **Apr****16/17** | **MOMENTUM!!!!!!!** |  |  |

|  |  |
| --- | --- |
| Assignments:* 2 Labs:
	+ It's All Uphill/15 pts
	+ *Human Power Output lab*/30 pts
* 3 Formative/Summative Assessments:
	+ 5.0 - Work and Energy
	+ 5.1 - Efficiency and Power
	+ 5.2 - Conservation of Energy
 | Handouts:   |