Physics G

Work and Energy - Flipped!!

(Chapter 5 Syllabus)

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| **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 page  Have 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!!!!!!!** |  |  |

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| 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: |