***Lesson Plans for the Week of: 1/9/17 Teacher: Hough Course: Physics Period: 3***

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| Elements of  a Lesson | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| Objective/  Focus/  Essential  Question | PH.2a,6a,7a  Understand Conservation of Mechanical Energy | PH.2a,6a,7a  Apply Conservation of Mechanical Energy | PH.2a;5a,d;6a;7a  Review for test | PH.2a;5a,d;6a;7a  Test | PH.2a;5g  ½ day  Apply Work |
| Lesson/Act.  Type of Presentation | Whole group:  Model Sample problem: p. 171 #5  Provide common examples for when this equation is helpful  Individual:  Practice problem: p. 171#1  Whole group:  Check work, discuss problems  Do supplemental practice work | Continued from previous day | Review for test | Individual:  Students will use textbook to define the science concept of work and describe necessary conditions for work to be done; work equation and units | Whole group:  Review the concept of work from previous day’s research, and then address the concept of positive and negative work; use textbook p. 156 Figure 1.3 as a graphic model, prompt  Model Sample problem p. 156#3  Review concepts of kinetic and potential energies |
| Evaluation | p. 171 #1 –assessed by teacher observation and student results | Same as previous day |  |  | Results of Student practice |
| Extension/  Homework | p. 171 #2,4 p. 182 #33 |  |  |  | p. 156#1,2; 180#8,10a |

Materials:

Monday: Textbook; OneNote; homework for work, kinetic and potential energies

Tuesday: : Textbook; worksheet containing a teacher-adapted problem

Wednesday: Teacher-made review guide

Thursday: teacher-made test

Friday: textbook