***Lesson Plans for the Week of: 2/20/17 Teacher: Hough Course: Physical Science Period: 1,2,7/8***

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| Elements of  a Lesson | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| Objective/  Focus/  Essential  Question | PS.10c,d  a) correctly identify situations where work occurs  b) correctly identify SI units for work  c) Calculate work | PS.6a  BAND TRIP  a) correctly differentiate between kinetic and potential energy  b) recognize the factors which change the two types of energy | PS.6a,b  BAND TRIP  a) correctly identify the category of energy involved in a given situation  b) give examples for different categories of energy | No School | No School |
| Lesson/Act.  Type of Presentation | Whole group:  a) Bellwork: studnets will look a picture and discuss whether the weightlifter is doing work  b) define work and give examples of when work is occurring  c) Give SI units for work  d) Model a sample word problem using work  Individual:  e) Studnets will calculate work | Whole group:  a) bellwork: ask if a compressed spring has potential energy  b) define kintetic energy give examples; identify the factors which give more KE  c) define potential energy; give examples (both gravitational and elastic, though the labels are not required) | Whole group:  a) bellwork: teacher performs chemical reaction; students write down types of energy that might be involved; discuss  b) give types of energy, with examples  c) Students will identify types of energy involved in situations |  |  |
| Evaluation | Student work at calculating work |  |  |  |  |
| Extension/  Homework |  |  |  |  |  |
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MATERIALS:

Monday: teacher-made notes

Tuesday: : teacher-made notes;

Wednesday: teacher-made notes; black light; ice?;

Thursday:

Friday: