***Lesson Plans for the Week of: 1/2/17 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 | No School | Go over exams; remediate  Assign symbols, elements for 1st 20 elements: quiz next week | PS.1m;2a,dd;3a;pre-5b |  | PS.5b  --Balance Chemical Equations |
| Lesson/Act.  Type of Presentation |  | Look at exam  Remediation:  Write definitions for heat, temperature, and thermal energy  Scientists discovered these particles:  Atom—Dalton  Electron—Thomson  Nucleus, Proton--Rutherford | Individual:  Bellwork:   1. Who discovered the electron? 2. Circle all the physical properties of water 3. How many atoms are in one molecule of LiBr? 4. How many atoms are in one molecule of NH3?   Whole group:  Go over bellwork:  List other terms which refer to physical properties; Are the compounds in 3 &4 ionic or covalent—How do we know this?  Extension:  Particle diagrams for formulas with a coefficient; explain, then exit pass | Individual:  Bellwork:   1. Who discovered the nucleus? 2. Circle all chemical properties of ammonia (density = 0.86 g/cm3; melting point = -107.91°F; flammable 3. How many oxygen atoms are in 3CO2?   Whole class:  Go over bellwork  Return previous day’s bellwork  Practice counting atoms, with particle diagrams:  --Guided practice  --Independent practice | Individual:  Bellwork: Utilize questions which incorporate previous day’s mistakes  Whole group:  Return and go over previous day’s work  Model balancing a chemical equation—utilize previous day’s errors  2 groups:  b) Group 1 (upper, with paraprofessional): complete worksheet—practice balancing chemical equations (harder);  c) Group 2 (lower with teacher): same as group 1, with easier, fewer chemical equations to balance and teacher available for scaffolding and prompting  Individual:  Exit Pass |
| Evaluation |  | Exit pass? | Exit pass |  | Classwork worksheet and exit pass |
| Extension/  Homework |  |  | Tomorrow: balance chemical equation | Student work turned in |  |
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MATERIALS:

Monday:

Tuesday:

Wednesday: teacher-made bellwork; OneNote; exit pass

template Harry Potter demo: <https://www.youtube.com/watch?v=3TsTOnNmkf8> ; Examples on OneNote: teacher-made worksheet

Thursday: Examples on OneNote: teacher-made worksheet

Friday: Examples on OneNote: teacher-made worksheet