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| Lesson | Topic / Web Link | Overview of Lesson | LessonLength |
|  | week 3: aug 17-21 | **UNIT 1 – ATOMIC THEORY** |  |
| 1 | introduce new unit | pre-test  intro to culminating task | 1 |
| 2 | sub-atomic particles & atomic structure | KWL on atoms & particles  introduce subatomic particles packet – page 1 | 1 |
| 3 | sub-atomic particles & atomic structure | packet page 1-2 &/or research time – students’ choice | 1.5 |
| 4 | nuclear chemistry | Candium Lab | 1.5 |
| 5 | sub-atomic particles & atomic structure | packet page 3-4 &/or research time – students’ choice  finish lab analysis |  |
|  | week 4: aug 24-28 | **UNIT 1 – ATOMIC THEORY** |  |
| 6 | nuclear chemistry | review isotopes  Nova video: Island of Stability  (paste Youtube link into www.clipconverter.cc) | 1 |
| 7 | nuclear chemistry | decay & particles  Radioactive Decay Lab (flipping pennies) | 1 |
| 8 | nuclear chemistry | decay & particles  Radioactivity Activity | 1 |
| 9 | nuclear chemistry  or performance task 1 | research and/or finish lab analyses | 1 |
| 10 | sub-atomic particles & atomic structure | packet p5-6 &/or research time – students’ choice | 1 |
|  | week 5: aug 31-sep 4 | **UNIT 1 – ATOMIC THEORY**  **week 3** |  |
| 11 | performance task #1 | extra credit presentations  work time | 2 |
| 12 | performance task #1 | presentations – one day only |  |
| 13 | subatomic particles | [over runs of presentations?]  true/false carousel | 2 |
| 14 | subatomic particles | true/false carousel  written summary for subatomic particles |  |
| 15 | performance task #2 | Start research for infographic project | 3 |
|  | week 6: sep 7-11 | **UNIT 1 – ATOMIC THEORY**  **week 4**  [September 14 is CORE SLC day] |  |
| 16 | performance task #2 | continue research and work time for infographic |  |
| 17 | assessment & performance task #2 | review for unit exam  work time for infographic |  |
| 18 |  |  | 1 |
| 19 |  |  | 2 |
| 20 |  | sub – CORE Silverwood Lake Field |  |