**TEACHER: C. Austin**

**Chemistry Week of 27 November 2017**

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| **Chemistry** | **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
| ACCRS: | Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanation in the text. | Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanation in the text. | Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanation in the text. | Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanation in the text. | Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanation in the text. |
| Before: | Review/Complete substitute assignment from 16-17 November | Table Talk: POGIL Activity Electron Configurations | Table Talk:  How do you organize electrons in atoms? | What causes electron orbitals to form geometric shapes? | Review notes for Test |
| During: | Lecture:   * Review/Complete substitute assignment from 16-17 November * Students will complete the electron configuration and orbital diagram sheets * Review notes for Friday’s Test | Activity:   * Students will complete the electron configuration and orbital diagram sheets * Scienteer Data Update * Review notes for Friday’s Test | Activity:   * Describe the Orbital Energy Diagram (Aufbau Diagram n verses l) * Discuss concerns regarding Science Fair Projects * Scienteer Data Update * Review notes for Friday’s Test | Lecture/Activity   * Orbital Diagrams and their Relationship to their specific geometric shapes. * Activity: Complete the orbital diagrams and geometric shapes they form. | TEST |
| After: | 3 Question Exit Slip | Complete activity sheet and submit results | Data Entry | Complete activity sheet and submit results. | TEST |
| Desired Outcome: | Students will discover the differences between electron configuration and orbital diagrams. Correctly arrange electrons in each | Students apply the Aufbau Principal to electron arrangement in atoms. | * Students correctly place electrons in the order they enter orbital according to rules given for n verses l(spins) * Students correctly apply and enter science fair data into the Scienteer Program | Students correctly complete orbital diagrams and demonstrate why orbital shapes are specific to each orbital type. | Students will discover the differences between electron configuration and orbital diagrams. Correctly arrange electrons in each |
| Formative/Summative  Assessment | Assess the accuracy of students’ explanations of electron configuration and orbital diagrams. Access correct arrangements of electrons in each | Assess the accuracy of activity sheets/handouts/activity problems | Asses data and calculations  Asses data through Scienteer Data Program | Asses accuracy of diagrams and geometric shapes selected. | Assess the accuracy of students’ explanations of electron configuration and orbital diagrams. Access correct arrangements of electrons in each |
| Homework | Study lecture notes | Study lecture notes | Review Activity Notes | Review Activity Notes | Review Activity Notes |