*SPH3U0-Spring 2020* **Louise Arbour Secondary School Ms. Ryan/Mr. Nestor**

**Unit 1: Electricity & Magnetism**

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| **Day** | **Topic** | **Assignment** |
| 1.Wed Feb 12 | Data Quest  ●Reading Voltmeters &Ammeters | HW: Complete Meter Reading worksheet  Complete Grade 9 ISU review package |
| 2.Thurs Feb 14 | ● Introduction to Circuits  Equations: | ●Powerpoint Note  Textbook: Section 11.1 #1-3 pg. 369  #1,2 pg. 372  # 17,20 pg.375 |
| 3. Tues Feb 18 | **Introductory Ohm’s Law Lab** | **Formal Lab Report- Due Tues Feb 25** |
| 4. Wed Feb 19 | **Circuit simulation** | **Hand in- Communication Mark** |
| 5. Thurs Feb 20 | Kirchoff’s Laws | ● Kirchoff’s Laws Worksheet 1 and 2 |
| 6. Mon Feb 24 | ● Ohm’s Law ***(V=IR)*** | HW: Ohm’s Law Worksheet |
| 7. Tues Feb 25 | ●Combining Resistors in series and parallel | **Ohm’s Law Lab Due**  ● Textbook Reading and Worksheet  ● Textbook- Read Sections 11.2 and 11.3 |
| 8. Wed Feb 26 | ● Solving Simple Circuits | Worksheet  Section 11.2 #7,8, 9, 11, pg 380 |
| 9. Thurs Feb 27 | ***Simple Circuit Quiz***  Power ***(P=IV=I2R=V2/R)*** | HW: 11.4 Practice 1, 2 pg 391  Practice 1,2 pg 392  HW: Power Questions- 11.4 #10,12 pg 395 |
| 10. Fri Feb 28 | **Practical Lab Activity:**  Building Series and Parallel Circuits | **● Hand in Lab Work- Inquiry Mark** |
| 11. Mon Mar 2 | **Complex Circuit Analysis** | HW: Solving Complex Circuits Worksheet |
| 12. Tues Mar 3 | ***Quiz- Solving Complex Circuits***  ● Group Practice- Solving Circuits | HW: 11.3 Practice 1 and 2 pg 386 |
| 13. Wed Mar 4 | **Review for Electricity Quest** | Chapter 11 Review: Electrical Circuits- #2, 12, 14, 17, 21,22,24, 27, 28 |
| 14. Thurs Mar 5 | **Electricity Quest** |  |
| 15. Fri Mar 6 | **Intro to Magnetism** | **Assignment:** Magnetism  HW: 12.1 Reading & Summary |
| 16. Mon Mar 9 | **● Magnet Activity**  **● Electromagnetism RHR #1 & 2** | HW: RHR #1 worksheet & #2  Read Section 12.1 |
| 17. Tues Mar 10 | **Induction and Lenz’s Law** | Worksheet- Lenz’s Law |
| 18. Wed Mar 11 | **Motor Principle- RHR #3** | Worksheet |
| 19. Thurs Mar 12 | **Magnetism Group Activity** | HW: Select Textbook questions on handout |
| 20. Fri Mar 13 | ***EM Review***Chapter 12 Review Electromagnetism & Motor Effect: #1, 9,11, 12, 17(determine direction of force only) Chapter 13 Review Induction: #1, 2, 7, 13 ,14 | |
| **March Break Marc 16-20**  **Assignment: EM Build Project Research** | | |
| 21-22.  Mon Mar 23-  Tues Mar 24 | ***EM Build Project*** | |
| 23  Wed March 25 | ***EM Test*** | |