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| **Physics: Warneck** | **Week: S2W13** |
| **Objective** | **Standards** | **TEACH/ASSESS** | **HW** |
| **4/22/Monday**Summarize electromagnetic waves and relate this model to Activity 8. | **P4.6h** Explain the relationship between the frequency of an electromagnetic wave and its technological uses.**P4.6e** Explain why antennas are needed for radio, television, and cell phone transmission and reception. **P4.6f** Explain how radio waves are modified to send information in radio and television programs, radio-control cars, cell phone conversations, and GPS systems. **P4.6B** Explain why radio waves can travel through space, but sound waves cannot.**P4.6C** Explain why there is a delay between the times we send a radio message to astronauts on the moon and when they receive it. | **Wireless Comm. Unit:****Activity 9-10** | *Turn in completed composition book by* ***Friday, April 26th.*** |
| **4/23/Tuesday**Summarize the transfer of electromagnetic charges in a coil antenna. | **Wireless Comm. Unit:****Activity 11-12** |  |
| **4/24/Wednesday**Calculate the area of coverage for wireless comm. Towers. | **Wireless Comm. Unit:****Activity 13-14** |  |
| **4/25/Thursday**Draft your 2nd body paragraph in your independent research paper. | **Independent Research Project:*****Body Paragraph #2*** | **Research Project:** *Body Paragraph #2***Complete:** $^{}/\_{15}$*Incomplete:* $^{}/\_{7}$Late: $^{}/\_{10}$ |
| **4/26/Friday**Draft your 3rd body paragraph in your independent research paper | **Independent Research Project:*****Body Paragraph #3*** | **Research Project:** *Body Paragraph #3***Complete:** $^{}/\_{15}$*Incomplete:* $^{}/\_{7}$Late: $^{}/\_{10}$***Completed composition book due today.***  |

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| **Physics: Warneck** | **Week: S2W14** |
| **Objective** | **Standards** | **TEACH/ASSESS** | **HW** |
| **4/29/Monday**Prepare for GA Post-test | **P4.6h** Explain the relationship between the frequency of an electromagnetic wave and its technological uses.**P4.6e** Explain why antennas are needed for radio, television, and cell phone transmission and reception. **P4.6f** Explain how radio waves are modified to send information in radio and television programs, radio-control cars, cell phone conversations, and GPS systems. **P4.6B** Explain why radio waves can travel through space, but sound waves cannot.**P4.6C** Explain why there is a delay between the times we send a radio message to astronauts on the moon and when they receive it. | **Review for Graphical Analysis Post Test** | Review for Graphical Analysis Post Test |
| **4/30/Tuesday**Prepare for GA Post-test | **Review for Graphical Analysis Post Test** | Review for Graphical Analysis Post Test |
| **5/1/Wednesday** | **Graphical Analysis Post Test** |  |
| **5/2/Thursday**Complete Rough Draft of the Research Paper | **Independent Research Project** | **Completed Independent Research Project****Due: 5/7/Tuesday** |
| **5/3/Friday**Complete Rough Draft of the Research Paper | **Independent Research Project** | **Completed Independent Research Project****Due: 5/7/Tuesday** |

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| **Physics: Warneck** | **Week: S2W15** |
| **Objective** | **Standards** | **TEACH/ASSESS** | **HW** |
| **5/6/Monday** | **P4.6h** Explain the relationship between the frequency of an electromagnetic wave and its technological uses.**P4.6e** Explain why antennas are needed for radio, television, and cell phone transmission and reception. **P4.6f** Explain how radio waves are modified to send information in radio and television programs, radio-control cars, cell phone conversations, and GPS systems.**P4.6B** Explain why radio waves can travel through space, but sound waves cannot.**P4.6C** Explain why there is a delay between the times we send a radio message to astronauts on the moon and when they receive it. | **Wrap-up activities for  *Wireless Comm. Unit*** | **Study for the *Wireless Comm. Unit Test*** |
| **5/7/Tuesday** | **Wrap-up activities for  *Wireless Comm. Unit*** | **Study for the *Wireless Comm. Unit Test*** |
| **5/8/Wednesday\*PLC** |  |  |
| **5/9/Thursday** | ***Wireless Comm. Unit Test*** |  |
| **5/10/Friday** |  |  |

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| **Physics: Warneck** | **Week: S2W17** |
| **Objective** | **Standards** | **TEACH/ASSESS** | **HW** |
| **5/20/Monday** | **All for 2nd Semester** | Presentations | **Study for the *Pre-Final Test*** |
| **5/21/Tuesday** | Presentation / Review for Pre-Finial Test | **Study for the *Pre-Final Test*** |
| **5/22/Wednesday\*PLC** | Presentation / Review for Pre-Finial Test | **Study for the *Pre-Final Test*** |
| **5/23/Thursday** | Review for Pre-Finial Test | **Study for the *Pre-Final Test*** |
| **5/24/Friday** | **Pre-Final Test** |  |

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| **Physics: Warneck** | **Week: S2W16** |
| **Objective** | **Standards** | **TEACH/ASSESS** | **HW** |
| **5/13/Monday** | **P4.6h** Explain the relationship between the frequency of an electromagnetic wave and its technological uses.**P4.6e** Explain why antennas are needed for radio, television, and cell phone transmission and reception. **P4.6f** Explain how radio waves are modified to send information in radio and television programs, radio-control cars, cell phone conversations, and GPS systems. **P4.6B** Explain why radio waves can travel through space, but sound waves cannot.**P4.6C** Explain why there is a delay between the times we send a radio message to astronauts on the moon and when they receive it. | Presentations |  |
| **5/14/Tuesday** | Presentation |  |
| **5/15/Wednesday** | Go over the Graphical Analysis Post-test |  |
| **5/16/Thursday** | Movie: Contact |  |
| **5/17/Friday** | Cedar Point / Movie: Contact |  |