**Teacher:** Rowe **Week of:** December 2, 2019 **Course Title:** PLTW – Design and Modeling **Periods:** 4,5,6

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|  | OBJECTIVES | ACTIVITIES | RESOURCES | HOMEWORK | EVALUATION | STANDARDS |
| MON | What is Electricity? | Lecture  Particle Pen Pals Activity | Teachengineering.org  Smartboard  Computer |  | Student Work | KS2.1C1, KS2.1C2, KS2.1C3, KS2.2A1, KS2.2A2, KS2.3A1, KS2.3A2, KS2.3B4, KS2.4A1, KS2.4A2, KS3.2A2 |
| TUE | Electrical Careers Project | Students will work in pairs to research different electrical engineering careers. | Smartboard  Computer |  | Student Work | KS2.1C1, KS2.1C2, KS2.1C3, KS2.2A1, KS2.2A2, KS2.3A1, KS2.3A2, KS2.3B4, KS2.4A1, KS2.4A2, KS3.2A2 |
| WED | Is it Shocking? Activity | Students will get into groups for hands on activity explaining static electricity.  Students will make connection to why it is important for engineers to choose the best material for electrical jobs. | Teachengineering.org  Smartboard  Computer |  | Student Work | KS2.1C1, KS2.1C2, KS2.1C3, KS2.2A1, KS2.2A2, KS2.3A1, KS2.3A2, KS2.3B4, KS2.4A1, KS2.4A2, KS3.2A2 |
| THUR | Paper Airplane activity | Lecture on the history of paper airplanes and relate to engineering. | Teachengineering.org  Computer  Notebook |  | Student Work | KS2.1C1, KS2.1C2, KS2.1C3, KS2.2A1, KS2.2A2, KS2.3A1, KS2.3A2, KS2.3B4, KS2.4A1, KS2.4A2, KS3.2A2 |
| F  R  I | Paper Airplanes: Building, Testing, and Innovating | Students will design and create two different paper airplanes.  Students will run tests on their finished products. | Teachengineering.org  Computer  Notebook |  | Student Work | KS2.1C1, KS2.1C2, KS2.1C3, KS2.2A1, KS2.2A2, KS2.3A1, KS2.3A2, KS2.3B4, KS2.4A1, KS2.4A2, KS3.2A2 |