**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?  | LectureParticle Pen Pals Activity | Teachengineering.orgSmartboardComputer |  | 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.orgSmartboardComputer |  | 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.orgComputerNotebook |  | Student Work | KS2.1C1, KS2.1C2, KS2.1C3, KS2.2A1, KS2.2A2, KS2.3A1, KS2.3A2, KS2.3B4, KS2.4A1, KS2.4A2, KS3.2A2  |
| FRI | Paper Airplanes: Building, Testing, and Innovating | Students will design and create two different paper airplanes. Students will run tests on their finished products.  | Teachengineering.orgComputerNotebook |  | Student Work | KS2.1C1, KS2.1C2, KS2.1C3, KS2.2A1, KS2.2A2, KS2.3A1, KS2.3A2, KS2.3B4, KS2.4A1, KS2.4A2, KS3.2A2  |