



## **Activity 10.3: Data Analysis**

### **Task 1: Parse the Data for LunaSat 1**

- ☒ In Google Sheets, highlight column 'A' by clicking 'A'
- ☒ Once highlighted, go under "Data" and "Split text to columns"

### **Task 2: Plot the Data**

- ☒ To plot data, highlight column(s) of the data you want to plot and click a "Chart" option from underneath the "Insert" tab
- ☒ Under "Chart Editor," select "Setup" and "Line Chart"
- ☒ Create a plot for each sensor individually and put the plot on its own sheet/tab by selecting the three dots in the upper right hand corner of each plot and selecting "move chart to own sheet":
  - ☒ Temperature
  - ☒ X-Accelerometer
  - ☒ Y-Accelerometer
  - ☒ Z-Accelerometer
  - ☒ Magnetometer
  - ☒ Thermopile
  - ☒ Capacitive
  - ☒ Full LunaSat Test

### **Task 3: Label your plots**

- ☒ Analyze your data by noting key events from your testing
  - ☒ Temperature
  - ☒ X-Accelerometer
  - ☒ Y-Accelerometer
  - ☒ Z-Accelerometer
  - ☒ Magnetometer
  - ☒ Thermopile
  - ☒ Capacitive
  - ☒ Full LunaSat Test

### **Task 4: Change Table color to Pink for helper verification.**

- ☒ Have helper print and sign their name here that your plots are correct and labeled
- ☒ Complete Activity 10.2 and 10.3 again for LunaSat 2