This Week in Mechanical Team (9/16/17)

- **Design Work**
  - Chassis - Derick Whited
  - Suspension - Kai Davis, Jefferson O'Brien
    - Bottom of chassis 10in above ground
  - Electrical Box - Riley Roche
  - Robotic Arm - Kyle
  - Robotic Arm Base Rotation
    - Planetary Gear Variant - Hubert
    - Pinion and Annular Variant - Chris
- **Research/Documentation**
  - Camera Mounting Scheme - Matthew
    - Deliverable: A 1+ page document summarizing your research and result
    - Will be sent to Kyle and we'll review it on the Tuesday meeting
    - Driving, Panorama, Arm Camera:
  - Robotic Arm Base Rotation - Hubert, Chris
    - Deliverable: A short report detailing at least three existing solutions, and any analysis on their viability in the a moving rover.
    - Team Analysis:
      - Oil impregnated brass
      - Bushing if low enough friction
      - Dry graphite lubricant (pinewood derby - short lifespan)
    - From Here:
      - Planetary Gear - Hubert
      - Pinion and Annular - Chris
  - Finite Element Analysis - Kyle
    - Deliverable: A one page document summarizing your research and results (template attached).
  - Organization - Kyle
    - Deliverables: Naming convention scheme, Mechanical Team Wiki, myfiles engineering MAVRIC folder, CAD documentation
- **Manufacturing Work**

- **Boyd Training:**
    - I still encourage everybody to get trained on any relevant Boyd lab machines. You can navigate to training signup from here.
- **Notices and Orders**
    - Currently, only raw materials can be ordered. If you have any rough estimates for materials that you will need for your designs, please inform me of them now.
    - Weekly Meeting -
- **Attendance** (bold indicates attended)
    - **Davis, Stephen K**
    - **Matejka, Matthew**
    - **Ogle, Rebecka L**
    - **Ooi, Hubert Y**
    - **Roche, Riley P**
    - **Whited, Derick J**
    - **Wong, Christopher W**