**ASTROBIOBOUND: THE SEARCH FOR LIFE IN THE SOLAR SYSTEM**

**SPACECRAFT DESIGN MAT**

- **Mars**
  - **Launch System**
    - Rocket (required)
    - Rocket Nose Cone (required)
    - Power System
    - Battery (solar only)
  - **Mobility System** (not required for orbiter and stationary lander missions)
    - Heat Shield (required for Mars & Titan)
    - Parachute (required for Mars & Titan)
    - Landing System (required)
  - **Entry, Descent & Landing System** (not required for orbiter missions)
    - Parachute
    - Heat Shield
    - Landing System
  - **Goals**
  - **Mission Target** (required)
  - **Mission Type** (required)
  - **Biosignatures** (required)

- **Enceladus**

- **Europa**

- **Titan**

**Sciences Instruments**

- **Communications System**
  - Main Antenna (required)
  - Backup Antenna (optional)
  - Main Memory Card (required)

- **Computer System**
  - Microprocessor (required)
  - Main Bus (required)

- **Power System**
  - Battery (solar only)

- **Launch System**
  - Rocket (required)
  - Rocket Nose Cone (required)
  - Power System
  - Battery (solar only)

- **Computer System**
  - Microprocessor (required)
  - Main Bus (required)

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**Choose instruments to increase science points. Add as many as you like!**