**Mission to Mars**

**Rover Components**

Draw and label parts, take a picture of each part, or describe it in writing

POWER SOURCE

Solar Panels, Battery, etc.....

PROPULSION COMPONENT

Gears, propellers, etc....

TRACTION COMPONENTS

Wheels, worm wheels, robotic feet, hover craft, etc...

MISSION COMPONENTS

Cameras, soil collectors, drill, etc....



**Rover Missions**

LANDING PROCEDURES

AND LANDING COORDINATES

LANDING SITE VALIDATION

(Why was this site chosen?)

ROVER TRANSPORT

MISSION

MISSION PROCEDURES

(How will the mission be accomplished?)

**Rover Telecommunications Capabilities**

DIAGRAM/PHOTO/DRAWING

OF TELECOMMUNICATIONS DEVICES

(Satellites, radio, digital camera, etc...)

TELECOMMUNICATION DEVICE FUNCTIONS

How will this device send data from Mars?

How will this device receive data from Earth?

**Mars Atmospheric and Terrain Obstacles**

ROVER GROUND GEAR AND PROCEDURES

How will the rover overcome the harsh terrain of Mars?

MARS TERRAIN CONDITIONS

What type of surface/soil materials will the rover have to move over to complete its mission?

ATMOSPHERIC CONDITIONS

How will the atmospheric conditions affect entry, landing, and survival?

**Rover Financial Report**

|  |  |  |
| --- | --- | --- |
| **Rover Part** | **Quantity** | **Price** |
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|  |  |  |
|  |  |  |
| **Total Cost Of Project** | **>>>>>** |  |

Attach all receipts to this page

**Mars Rover and Planetary Research**

ADDITIONAL COOL FACTS ABOUT YOUR ROVER AND THE MISSION

STANDARD BIBLIOGRAPHY RESOURCES (BOOKS, MAGAZINES, etc....)

Author name, Article Title, Book or Magazine Name, Date of Publishing

INTERNET RESEARCH SITES

(Web site URL, title of web page, author, website date)