

# 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

ROVER TRANSPORT

LANDING PROCEDURES  
AND LANDING COORDINATES

MISSION

LANDING SITE VALIDATION  
(Why was this site chosen?)

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

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

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

ROVER GROUND GEAR AND PROCEDURES  
How will the rover overcome the harsh terrain of Mars?

# Rover Financial Report

Rover Part	Quantity	Price
<b>Total Cost Of Project</b>	<b>&gt;&gt;&gt;&gt;</b>	

Attach all receipts to this page

## Mars Rover and Planetary Research

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

STANDARD BIBLIOGRAPHY RESOURCES (BOOKS, MAGAZINES, etc....)  
Author name, Article Title, Book or Magazine Name, Date of Publishing

ADDITIONAL COOL FACTS ABOUT YOUR ROVER AND THE MISSION