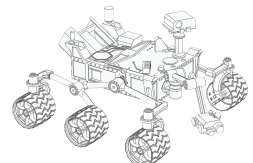
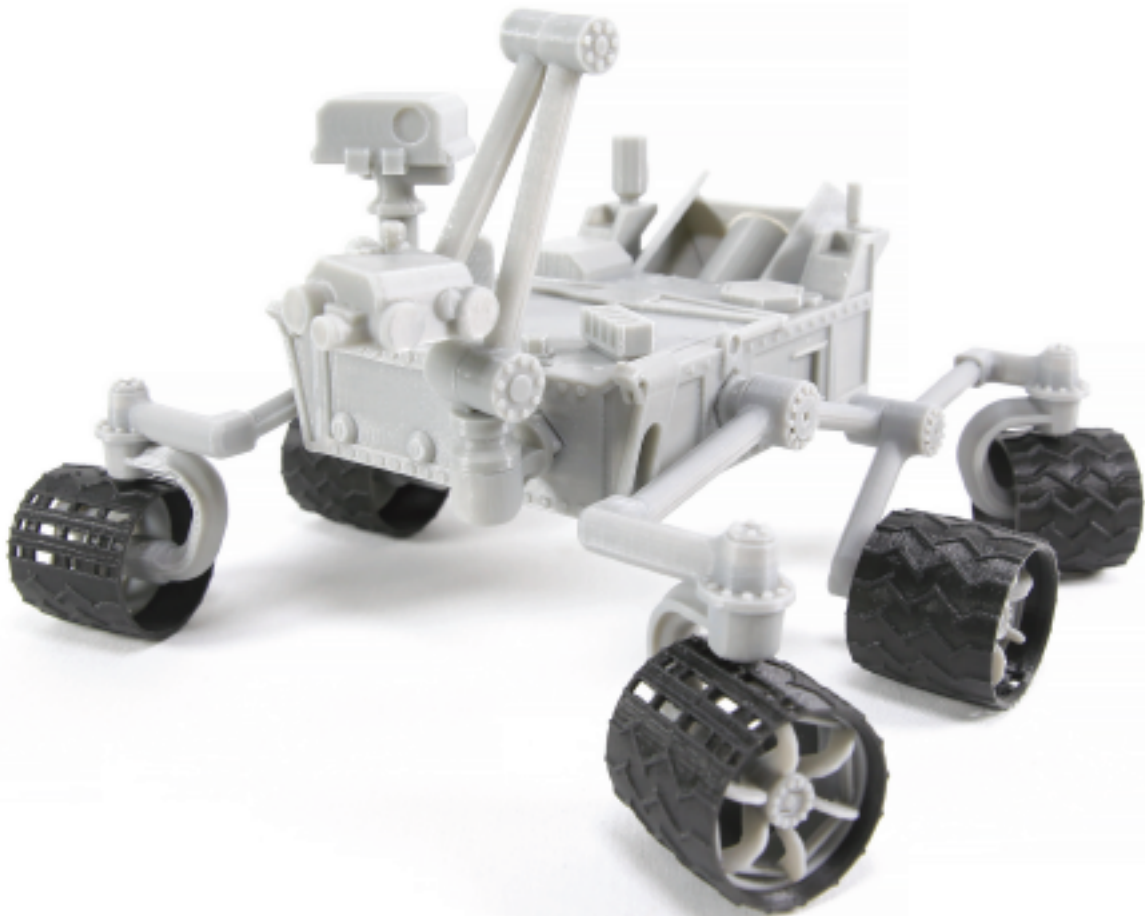


Curiosity Rover

3D Printed Model



Parts List:

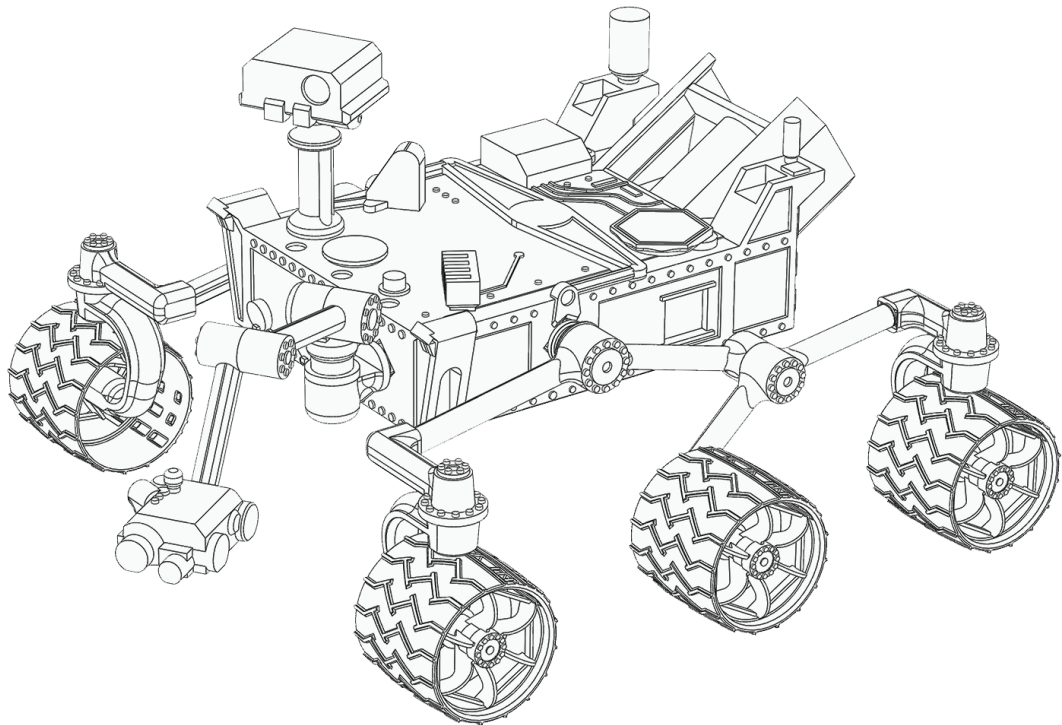
FILE NAME	QTY NEEDED
6mm-pin.stl	17
body.stl	1
tire.stl	6
wheel.stl	6
lower-suspension-p1-left.stl	1
lower-suspension-p1-right.stl	1
lower-suspension-p2-left.stl	1
lower-suspension-p2-right.stl	1
upper-suspension-p1-left.stl	1
upper-suspension-p1-right.stl	1
upper-suspension-p2-left.stl	1
upper-suspension-p2-right.stl	1
mounting-bracket.stl	2
steering-bracket.stl	4
swivel-bracket.stl	1
swivel.stl	1
upper-arm.stl	1
lower-arm.stl	1
mahli-apxs.stl	1
chemcam.stl	1

This project is designed for printing on a FFF (FDM) desktop 3D printer. The estimated printing time is 11 hours.

The largest component is the body, which requires a print bed of 6 x 3.75 inches wide.

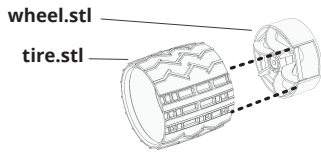
Some components have support tabs to secure the part during printing. These tabs should be torn away before assembling the model.

The diagram shows three parts: **wheel.stl**, **6mm-pin.stl**, and **swivel-bracket.stl**. Each part has small rectangular tabs attached to it. An arrow points to these tabs with the label "removable support tabs".



Assembly:

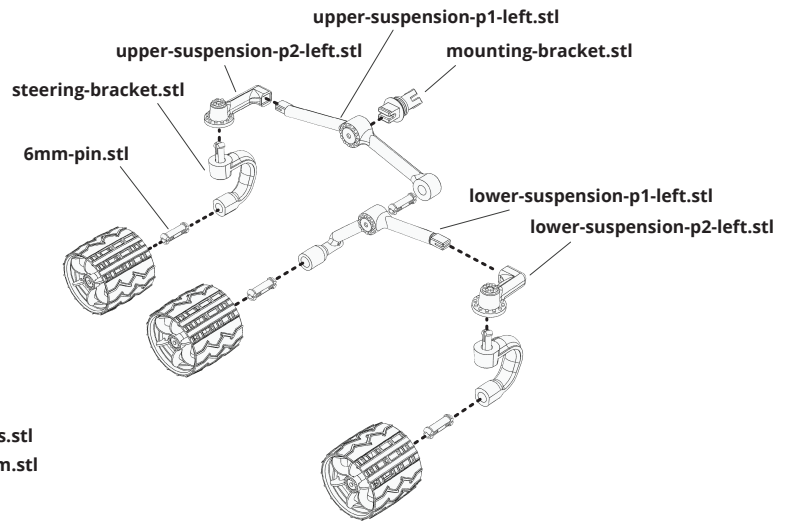
1.) WHEEL ASSEMBLY



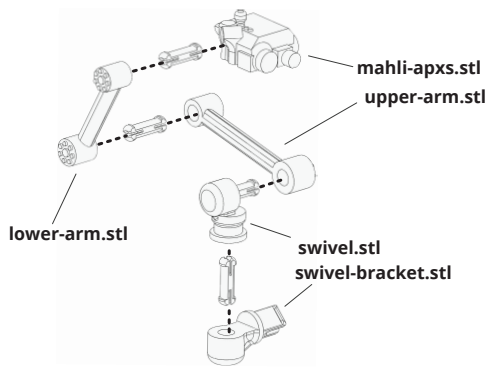
note: align slot in wheel with "JPL" on tire

2.) SUSPENSION ASSEMBLY

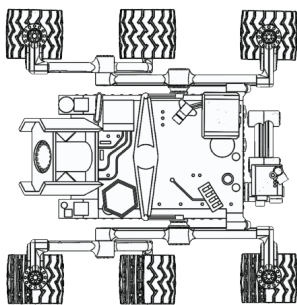
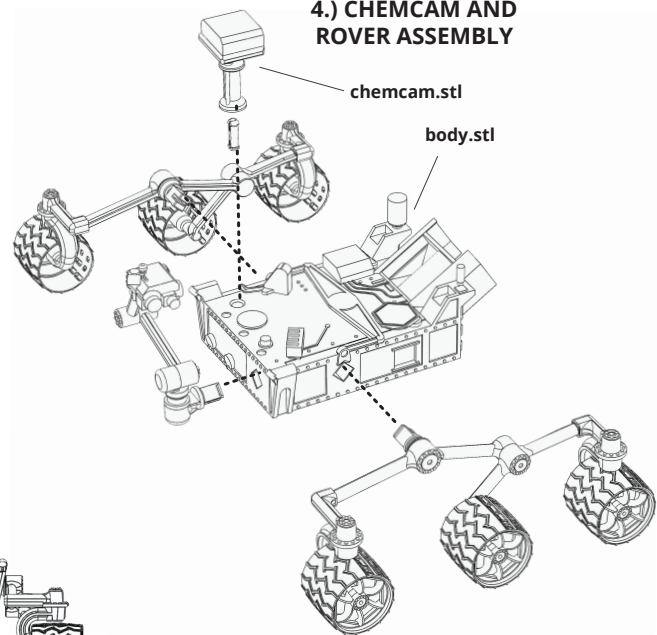
note: the right side assembly is the same but with mirrored components



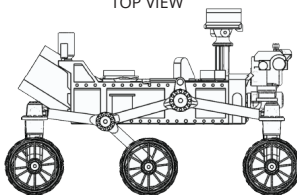
3.) ROBOTIC ARM ASSEMBLY



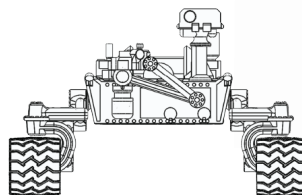
4.) CHEMCAM AND ROVER ASSEMBLY



TOP VIEW



FRONT VIEW



SIDE VIEW