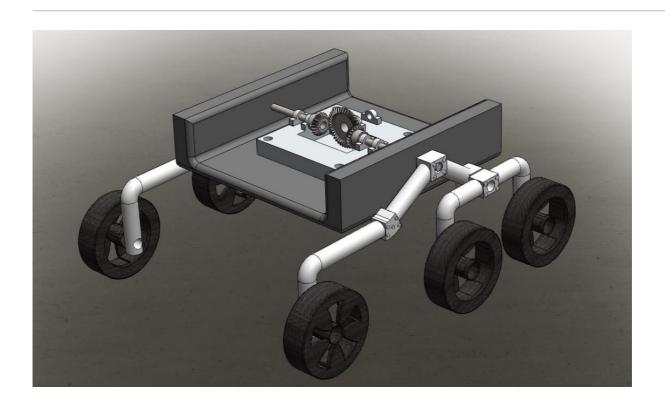
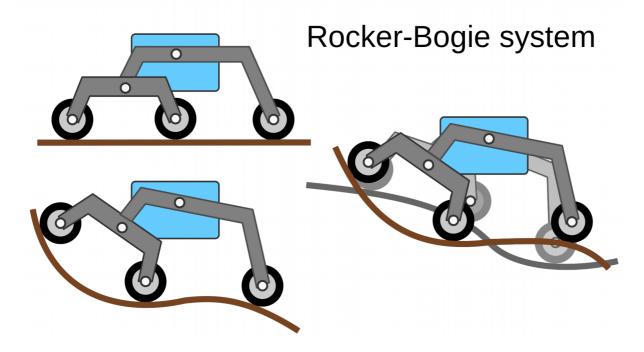
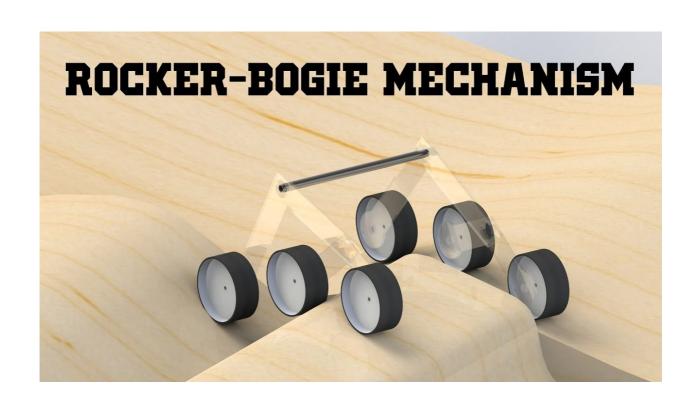
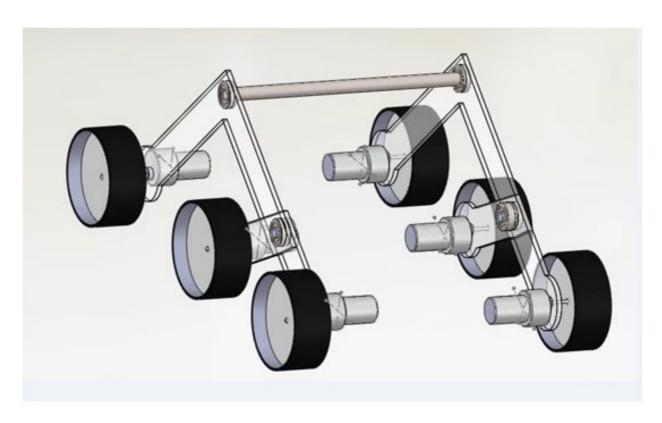
## **Rocker-Bogie-Mechanic**

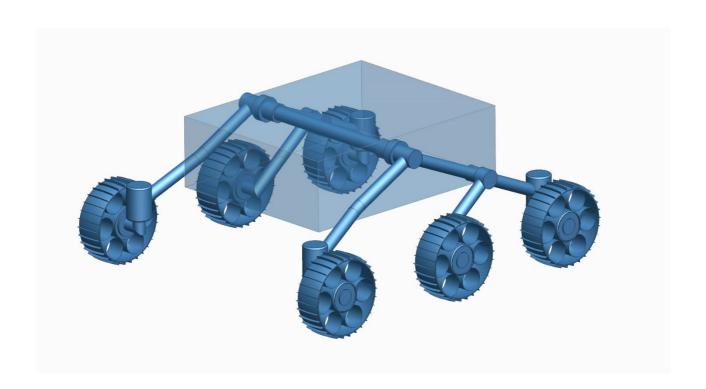
Rocker Bogie Mechanic, allow a robot to drive on various rough terrain, bypass obstacles and even climb stairs



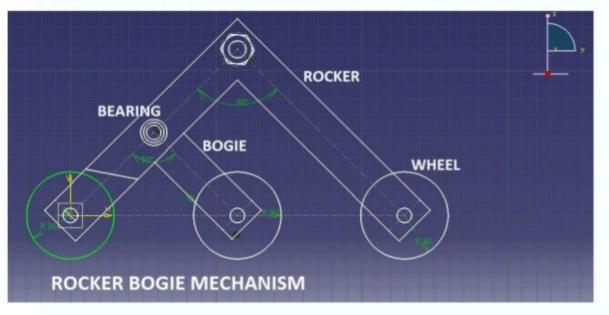


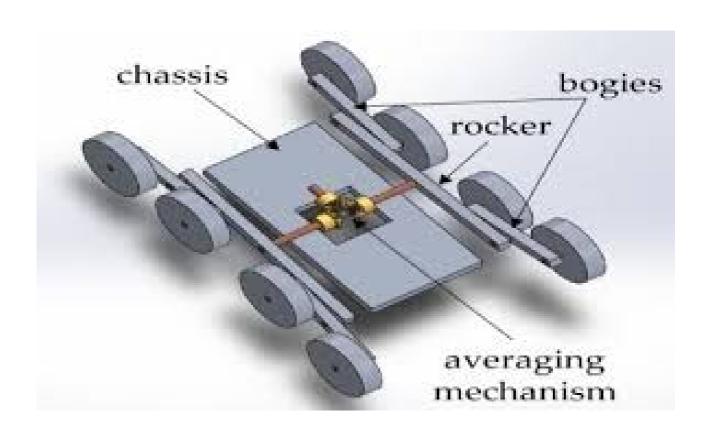


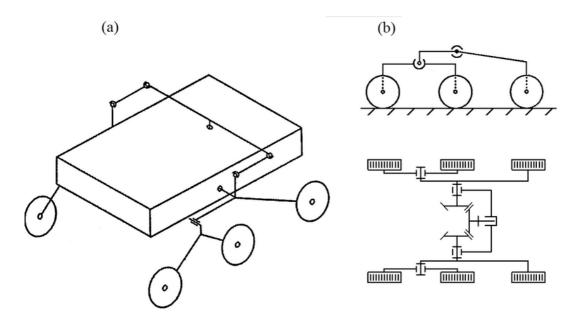


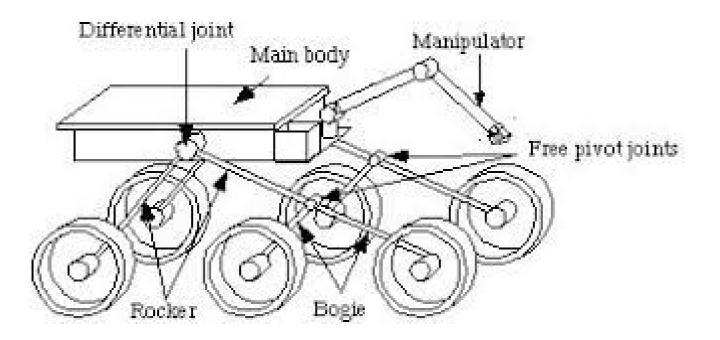


## 2D SKETCH:









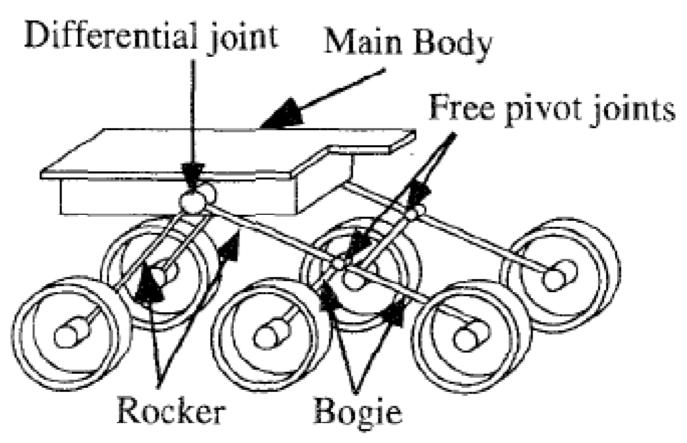
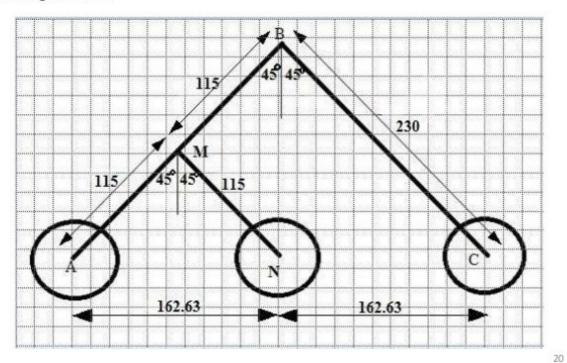


Fig. 1: Rocker-Bogie Rover Design [9]

## DESIGN AND FABRICATION OF ROCKER BOGIE MECHANISM

## 3. Length of Links



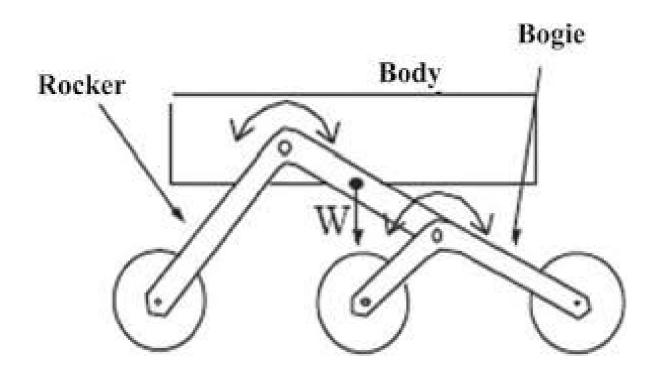
Differential Arm

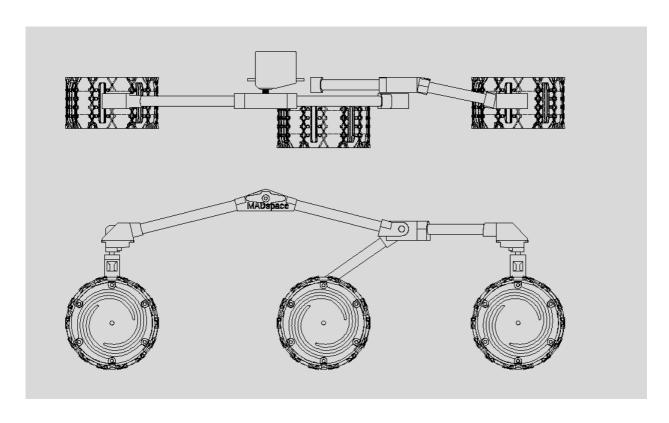
(2)

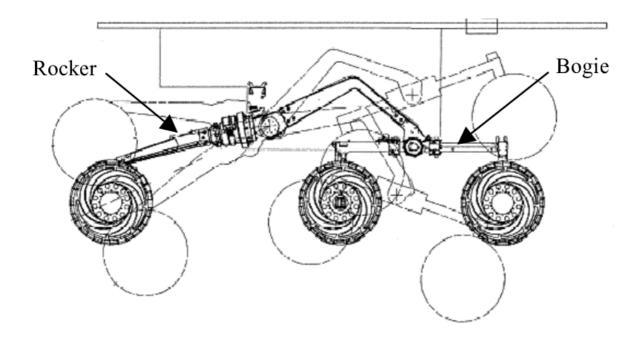
(3)

Suspension movement as the rover climbs over an obstacle on one side only.

Fig 5. Curiosity Rover Suspension







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