Mars Curiosity Rover Design Challenge

The earner of this badge has:

1. Created a login on NASA*Talk*.com.
2. Examined the Curiosity resources on the NASA*Talk* Curiosity robotics collaborative.
3. Selected a rover design challenge, to either improve on the model shown in the challenge OR to design an entirely different rover model that simulates a particular sensor or other piece of equipment on NASA's Curiosity rover.
4. Documented the selected rover build with photographs, sketches, video, or any combination of these including short text or oral narrative entries describing significant progress from one stage to the next, completing the NASA Middle School and High School Design Packet.
5. Submitted an article to NASA*Talk*'s Curiosity robotics collaborative with a clear, descriptive title and clear documentation of the building process and testing using a combination of pictures, video, text or narration – and including the Test and Evaluate information from page six of the NASA Design Packet.

Related Activities:

Practice additional engineering skills while performing the Flight Dynamics/Shoebox Glider Challenge. This activity is introduced in a NASA videoconference and concludes with learner presentations in a second videoconference. See the two-part challenge at: http://goo.gl/uOLWp

Try The Great Boomerang Challenge at: http://goo.gl/5pQVA

Current Activities:

You'll find the Mars Curiosity Rover Design Challenge on NASATalk at: http://goo.gl/SLqiY

EFFORT

This activity required a minimum of 5 to 10 hours.

Center for Educational Technologies® at Wheeling Jesuit University
Home of the NASA Sponsored Classroom of the Future