

A detailed illustration of the Curiosity rover on the surface of Mars. The rover is shown from a three-quarter front view, highlighting its six large, treaded wheels and its complex upper body. The background features a vast, reddish-orange desert landscape with rolling hills under a hazy, orange sky. Three white lines with circular endpoints point from text boxes to specific instruments on the rover: one to the Mast Camera on the top of the rover's mast, one to the ChemCam instrument on the rover's robotic arm, and one to the Sample Analysis at Mars (SAM) instrument located on the ground in the foreground.

MELISSA RICE '05

Rice does most of her work with Curiosity's Mast Camera (MastCam), which takes color images and video footage of Mars' landscape, rocks, and soils.

DARBY DYAR '80

Dyar studies data from the Chemistry & Camera instrument (ChemCam). ChemCam fires a laser at rocks and soils and analyzes the elemental composition of vaporized materials.

RACHEL HARRIS '14

While at the NASA Ames Astrobiology Institute, Harris used devices similar to the Chemistry & Mineralogy X-Ray Diffraction (CheMin) instrument and the Sample Analysis at Mars (SAM) instrument to study samples from Lassen Volcanic National Park.