



National Education Standards

The PLANETS Science Series *Remote Sensing of Mars* supports youth exploration in the field of planetary science by having youth use real NASA data as they engage in and interpret the remote sensing of Mars. The standards addressed in the Science Series are noted below.

Next Generation Science Standards Middle School Grades 6 – 8	Activity 1: Introducing Mars and Remote Sensing	Activity 2: Landing Site Topography	Activity 3: Mineral Fingerprinting	Activity 4: Choosing a Landing Site and Share-Out
MS-PS4-2 Develop and use a model to describe that waves are reflected, absorbed, or transmitted through various materials.	✓		✓	
MS-ESS1-3 Analyze and interpret data to determine scale properties of objects in the solar system.	✓	✓		
MS-ESS2-3 Analyze and interpret data on the distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of past plate motions.		✓	✓	
MS-ETS1-3 Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success.		✓	✓	✓