

	Mission Patch	Choose Position	Mars Overview	Odyssey Spacecraft	Exploration History
GRADES 5-8 STANDARDS					
UNIFYING CONCEPTS AND PROCESSES					
Systems, order, and organization					
Evidence, models, and explanation			✓		
Change, constancy, and measurement			✓		
Evolution and equilibrium					
Form and function	✓				
SCIENCE AS INQUIRY					
Abilities necessary to do scientific inquiry					
Understandings about scientific inquiry					
PHYSICAL SCIENCE					
Properties and changes of properties in matter			✓		
Motion and forces	✓				
Transfer of energy					
LIFE SCIENCE					
Structure and function in living systems					
Reproduction and heredity					
Regulation and behavior					
Populations and ecosystems					
Diversity and adaptations of organisms					
EARTH AND SPACE SCIENCE					
Structure of the earth system			✓		
Earth's history					
Earth in the solar system	✓	✓	✓	✓	✓
SCIENCE AND TECHNOLOGY					
Abilities of technological design		✓		✓	✓
Understandings about science and technology	✓	✓	✓	✓	✓
SCIENCE IN PERSONAL AND SOCIAL PERSPECTIVES					
Personal health					
Populations, resources, and environments					
Natural hazards					
Risks and benefits					
Science and technology in society	✓	✓		✓	✓
HISTORY AND NATURE OF SCIENCE					
Science as a human endeavor	✓	✓	✓	✓	✓
Nature of science				✓	
History of science		✓			✓
GRADES 9-12 STANDARDS					
UNIFYING CONCEPTS AND PROCESSES					
Systems, order, and organization					
Evidence, models, and explanation					
Change, constancy, and measurement					
Evolution and equilibrium					
Form and function					
SCIENCE AS INQUIRY					
Abilities necessary to do scientific inquiry					

	Mission Patch	Choose Position	Mars Overview	Odyssey Spacecraft	Exploration History
Understandings about scientific inquiry					
PHYSICAL SCIENCE					
Structure of atoms					
Structure and properties of matter					
Chemical reactions					
Motion and forces					
Conservation of energy and increase in disorder					
Interactions of energy and matter					
LIFE SCIENCE					
The cell					
Molecular basis of heredity					
Biological evolution					
Interdependence of organisms					
Matter, energy, and organization in living systems					
Behavior of organisms					
EARTH AND SPACE SCIENCE					
Energy in the earth system					
Geochemical cycles					
Origin and evolution of the earth system					
Origin and evolution of the universe					
SCIENCE AND TECHNOLOGY					
Abilities of technological design					
Understandings about science and technology					
SCIENCE IN PERSONAL AND SOCIAL PERSPECTIVES					
Personal and community health					
Population growth					
Natural resources					
Environmental quality					
Natural and human-induced hazards					
Science and technology in local, national, and global challenges					
HISTORY AND NATURE OF SCIENCE					
Science as a human endeavor					
Nature of scientific knowledge					
Historical perspectives					

	Getting to Mars	Rocketry	Life on Mars	Magnetism	Kepler's Laws
GRADES 5-8 STANDARDS					
UNIFYING CONCEPTS AND PROCESSES					
Systems, order, and organization					
Evidence, models, and explanation		✓	✓	✓	
Change, constancy, and measurement					
Evolution and equilibrium			✓		
Form and function					
SCIENCE AS INQUIRY					
Abilities necessary to do scientific inquiry			✓		
Understandings about scientific inquiry			✓		
PHYSICAL SCIENCE					
Properties and changes of properties in matter					
Motion and forces		✓		✓	
Transfer of energy				✓	
LIFE SCIENCE					
Structure and function in living systems					
Reproduction and heredity					
Regulation and behavior					
Populations and ecosystems			✓		
Diversity and adaptations of organisms			✓		
EARTH AND SPACE SCIENCE					
Structure of the earth system				✓	
Earth's history					
Earth in the solar system		✓	✓	✓	
SCIENCE AND TECHNOLOGY					
Abilities of technological design		✓			
Understandings about science and technology		✓	✓		
SCIENCE IN PERSONAL AND SOCIAL PERSPECTIVES					
Personal health					
Populations, resources, and environments					
Natural hazards					
Risks and benefits		✓			
Science and technology in society		✓	✓		
HISTORY AND NATURE OF SCIENCE					
Science as a human endeavor			✓		
Nature of science			✓	✓	
History of science			✓		
GRADES 9-12 STANDARDS					
UNIFYING CONCEPTS AND PROCESSES					
Systems, order, and organization					✓
Evidence, models, and explanation					✓
Change, constancy, and measurement					✓
Evolution and equilibrium					
Form and function					
SCIENCE AS INQUIRY					
Abilities necessary to do scientific inquiry					✓

	Getting to Mars	Rocketry	Life on Mars	Magnetism	Kepler's Laws
Understandings about scientific inquiry					✓
PHYSICAL SCIENCE					
Structure of atoms					
Structure and properties of matter					
Chemical reactions					
Motion and forces	✓				✓
Conservation of energy and increase in disorder					
Interactions of energy and matter					
LIFE SCIENCE					
The cell					
Molecular basis of heredity					
Biological evolution					
Interdependence of organisms					
Matter, energy, and organization in living systems					
Behavior of organisms					
EARTH AND SPACE SCIENCE					
Energy in the earth system					
Geochemical cycles					
Origin and evolution of the earth system					
Origin and evolution of the universe					
SCIENCE AND TECHNOLOGY					
Abilities of technological design	✓				
Understandings about science and technology	✓				
SCIENCE IN PERSONAL AND SOCIAL PERSPECTIVES					
Personal and community health					
Population growth					
Natural resources					
Environmental quality					
Natural and human-induced hazards					
Science and technology in local, national, and global challenges					
HISTORY AND NATURE OF SCIENCE					
Science as a human endeavor	✓				
Nature of scientific knowledge					
Historical perspectives					✓

	Doppler Gravity	Nature of Light	Landing System
GRADES 5-8 STANDARDS			
UNIFYING CONCEPTS AND PROCESSES			
Systems, order, and organization			
Evidence, models, and explanation		✓	✓
Change, constancy, and measurement			
Evolution and equilibrium			
Form and function			
SCIENCE AS INQUIRY			
Abilities necessary to do scientific inquiry			✓
Understandings about scientific inquiry			
PHYSICAL SCIENCE			
Properties and changes of properties in matter			
Motion and forces		✓	✓
Transfer of energy		✓	✓
LIFE SCIENCE			
Structure and function in living systems			
Reproduction and heredity			
Regulation and behavior			
Populations and ecosystems			
Diversity and adaptations of organisms			
EARTH AND SPACE SCIENCE			
Structure of the earth system			
Earth's history			
Earth in the solar system			
SCIENCE AND TECHNOLOGY			
Abilities of technological design			✓
Understandings about science and technology			
SCIENCE IN PERSONAL AND SOCIAL PERSPECTIVES			
Personal health			
Populations, resources, and environments			
Natural hazards			
Risks and benefits			
Science and technology in society			
HISTORY AND NATURE OF SCIENCE			
Science as a human endeavor			
Nature of science		✓	
History of science			
GRADES 9-12 STANDARDS			
UNIFYING CONCEPTS AND PROCESSES			
Systems, order, and organization			
Evidence, models, and explanation	✓		
Change, constancy, and measurement			
Evolution and equilibrium			
Form and function			
SCIENCE AS INQUIRY			
Abilities necessary to do scientific inquiry			

	Doppler Gravity	Nature of Light	Landing System
Understandings about scientific inquiry			
PHYSICAL SCIENCE			
Structure of atoms			
Structure and properties of matter			
Chemical reactions			
Motion and forces			
Conservation of energy and increase in disorder			
Interactions of energy and matter	✓		
LIFE SCIENCE			
The cell			
Molecular basis of heredity			
Biological evolution			
Interdependence of organisms			
Matter, energy, and organization in living systems			
Behavior of organisms			
EARTH AND SPACE SCIENCE			
Energy in the earth system			
Geochemical cycles			
Origin and evolution of the earth system			
Origin and evolution of the universe			
SCIENCE AND TECHNOLOGY			
Abilities of technological design			
Understandings about science and technology			
SCIENCE IN PERSONAL AND SOCIAL PERSPECTIVES			
Personal and community health			
Population growth			
Natural resources			
Environmental quality			
Natural and human-induced hazards			
Science and technology in local, national, and global challenges			
HISTORY AND NATURE OF SCIENCE			
Science as a human endeavor			
Nature of scientific knowledge	✓		
Historical perspectives			