During Expedition Mars, students are exposed to the following national standards.

COMMUNICATIONS (COM)
Next Generation Science Standards
MS-SEP: Analyze and interpret data to determine similarities and differences in findings.
Common Core State Standards
L.6.6: Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a word or phrase important to comprehension or expression.
SL.6.1: Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 6 topics, texts, and issues, building on others' ideas and expressing their own clearly.
MP6: Attend to precision.
NAVIGATION (NAV)
Next Generation Science Standards
MS-PS2-2: Plan an investigation to provide evidence that the change in an object's motion depends on the sum of the forces on the object and the mass of the object.
Common Core State Standards
RST.6-8.7: Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually.
RST.6-8.9: Draw evidence from informational texts to support analysis, reflection, and research.
MP2: Reason abstractly and quantitatively.
ROVER (ROV)
Next Generation Science Standards
MS-ETS1-1: Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.
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.
Common Core State Standards
RST.6-8.7: Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually.
SL6.1: Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 6 topics, texts, and issues, building on others' ideas and expressing their own clearly.
WEATHER (WX)
Next Generation Science Standards
MS-ESS2-5: Collect data to provide evidence for how the motions and complex interactions of air masses results in changes in weather conditions.
Common Core State Standards
SL6.2: Interpret information presented in diverse media and formats (e.g., visually, quantitatively, orally) and explain how it contributes to a topic, text, or issue under study.
SL6.1: Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 6 topics, texts, and issues, building on others' ideas and expressing their own clearly.
MP2: Reason abstractly and quantitatively.
MEDICAL (MED)
Next Generation Science Standards
MS-LS1-3: Use arguments supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.

Common Core State Standards
RST.6-8.9: Draw evidence from informational texts to support analysis, reflection, and research.
SL6.2: Interpret information presented in diverse media and formats (e.g., visually, quantitatively, orally) and explain how it contributes to a topic, text, or issue under study.
BIOLOGY (BIO)
Next Generation Science Standards
MS-SEP: Ask questions to clarify evidence of an argument.
MS-SEP: Construct a scientific explanation based on valid and reliable evidence obtained from sources.
Common Core State Standards
RST.6-8.3: Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.
RST.6-8.9: Draw evidence from informational texts to support analysis, reflection, and research.
ROBOTICS (BOT)
Next Generation Science Standards
MS-ETS1-2: Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem.
MS-ETS1-1: Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.
Common Core State Standards
RST.6-8.9: Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic.
RST.6-8.3: Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.
MP2: Reason abstractly and quantitatively.
LIFE SYSTEMS (LS)
Next Generation Science Standards
MS-SEP: Construct a scientific explanation based on valid and reliable evidence obtained from sources
Common Core State Standards
RST.6-8.9: Draw evidence from informational texts to support analysis, reflection, and research.
RST.6-8.3: Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.
MP6: Attend to precision.
GEOLOGY (GEO)
Next Generation Science Standards
MS-SEP: Ask questions to clarify evidence of an argument.
MS-SEP: Construct a scientific explanation based on valid and reliable evidence obtained from sources.
Common Core State Standards
RST.6-8.3: Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.
RST.6-8.7: Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually.
MP2: Reason abstractly and quantitatively.

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