

Living in Space:
Applicable State Standards
(2016 Montana Science Standards)

<p>Lesson: Build a Space Station</p>	<p>K:</p> <ul style="list-style-type: none">● use observations to describe patterns of what plants and animals, including humans, need to survive● construct an argument supported by evidence for how plants and animals, including humans, can change the environment to meet their needs <p>Third Grade:</p> <ul style="list-style-type: none">● construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all
<p>Lesson: Micro-gravity and Forces in Space</p>	<p>K:</p> <ul style="list-style-type: none">● plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object <p>Fifth Grade:</p> <ul style="list-style-type: none">● support an argument that the gravitational force exerted by Earth on objects is directed toward the center of the Earth
<p>Lesson: NASA Lesson: Cool Suits</p>	<p>K:</p> <ul style="list-style-type: none">● construct an argument supported by evidence for how plants and animals, including humans, can change the environment to meet their needs <p>Second Grade:</p> <ul style="list-style-type: none">● construct an argument with evidence that some changes caused by heating

	<p>or cooling can be reversed and some cannot</p> <p>Fourth Grade:</p> <ul style="list-style-type: none"> ● make observations to provide evidence of transfer of energy from place to place by sound, light, heat, and electric currents ● apply scientific ideas to design, test, and refine a device that converts energy from one form to another <p>Grades 6-8:</p> <ul style="list-style-type: none"> ● apply scientific principles to design, construct, and test a device that minimizes or maximizes thermal energy transfer
<p>Lesson: NASA Lesson: Food in Space</p>	<p>K:</p> <ul style="list-style-type: none"> ● use observations to describe patterns of what plants and animals, including humans, need to survive ● construct an argument supported by evidence for how plants and animals, including humans, can change the environment to meet their needs <p>Second Grade:</p> <ul style="list-style-type: none"> ● conduct an investigation and analyze data to determine which materials have the properties best suited for an intended purpose <p>Fifth Grade:</p> <ul style="list-style-type: none"> ● observe and record qualitative and quantitative evidence to support identification of materials based on their properties
<p>Lesson: NASA Lesson: Leg Up</p>	<p>Third Grade:</p> <ul style="list-style-type: none"> ● construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all

