

Exploring the Extreme			
2005 Science			
Academic Standards			
Nevada Science			
Grades K-2			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	NV	SCI.K-2.N.2.A.3	Students know observable patterns can be used to predict future events or sort items.
Finding the Center of Gravity Using Plumb Lines	NV	SCI.K-2.N.2.A.3	Students know observable patterns can be used to predict future events or sort items.
Changing the Center of Gravity Using Moment Arms	NV	SCI.K-2.N.2.A.3	Students know observable patterns can be used to predict future events or sort items.
Exploring the Extreme			
2005 Science			
Academic Standards			
Nevada Science			
Grades 3-5			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	NV	SCI.3-5.N.5.A.1	Students know scientific progress is made by conducting careful investigations, recording data, and communicating the results in an accurate method.
Finding the Center of Gravity Using Rulers	NV	SCI.3-5.N.8.A.3	Students know how to draw conclusions from scientific evidence.
Finding the Center of Gravity Using Rulers	NV	SCI.3-5.N.5.A.4	Students know graphic representations of recorded data can be used to make predictions.
Finding the Center of Gravity Using Rulers	NV	SCI.3-5.N.5.A.5	Students know how to plan and conduct a safe and simple investigation.
Finding the Center of Gravity Using Plumb Lines	NV	SCI.3-5.N.5.A.1	Students know scientific progress is made by conducting careful investigations, recording data, and communicating the results in an accurate method.
Finding the Center of Gravity Using Plumb Lines	NV	SCI.3-5.N.8.A.3	Students know how to draw conclusions from scientific evidence.
Finding the Center of Gravity Using Plumb Lines	NV	SCI.3-5.N.5.A.4	Students know graphic representations of recorded data can be used to make predictions.
Finding the Center of Gravity Using Plumb Lines	NV	SCI.3-5.N.5.A.5	Students know how to plan and conduct a safe and simple investigation.
Changing the Center of Gravity Using Moment Arms	NV	SCI.3-5.N.5.A.1	Students know scientific progress is made by conducting careful investigations, recording data, and communicating the results in an accurate method.

Changing the Center of Gravity Using Moment Arms	NV	SCI.3-5.N.8.A.3	Students know how to draw conclusions from scientific evidence.
Changing the Center of Gravity Using Moment Arms	NV	SCI.3-5.N.5.A.4	Students know graphic representations of recorded data can be used to make predictions.
Changing the Center of Gravity Using Moment Arms	NV	SCI.3-5.N.5.A.5	Students know how to plan and conduct a safe and simple investigation.
Changing the Center of Gravity Using Moment Arms	NV	SCI.3-5.N.5.A.6	Students know models are tools for learning about the things they are meant to resemble.
Jet Propulsion	NV	SCI.3-5.N.8.A.3	Students know how to draw conclusions from scientific evidence.
Jet Propulsion	NV	SCI.3-5.N.5.A.6	Students know models are tools for learning about the things they are meant to resemble.
Vectoring	NV	SCI.3-5.N.5.A.1	Students know scientific progress is made by conducting careful investigations, recording data, and communicating the results in an accurate method.
Vectoring	NV	SCI.3-5.N.8.A.3	Students know how to draw conclusions from scientific evidence.
Center of Gravity, Pitch, Yaw	NV	SCI.3-5.N.5.A.6	Students know models are tools for learning about the things they are meant to resemble.
Fuel Efficiency	NV	SCI.3-5.N.8.A.3	Students know how to draw conclusions from scientific evidence.
Fuel Efficiency	NV	SCI.3-5.N.5.A.4	Students know graphic representations of recorded data can be used to make predictions.
Fuel Efficiency	NV	SCI.3-5.P.5.B.1	Students know that, when an unbalanced force is applied to an object, the object either speeds up, slows down, or goes in a different direction.

Exploring the Extreme

2005 Science

Academic Standards

Nevada Science			
Grades 6-8			
Activity/Lesson	State	Standards	
Jet Propulsion	NV	SCI.6-8.N.8.A.3	Students know different explanations can be given for the same evidence.
Jet Propulsion	NV	SCI.6-8.N.8.B.2	Students know scientific knowledge is revised through a process of incorporating new evidence gained through on-going investigation and collaborative discussion.
Vectoring	NV	SCI.6-8.N.8.A.3	Students know different explanations can be given for the same evidence.
Vectoring	NV	SCI.6-8.N.8.A.4	Students know how to design and conduct a controlled experiment.

Vectoring	NV	SCI.6-8.N.8.A.5	Students know how to use appropriate technology and laboratory procedures safely for observing, measuring, recording, and analyzing data.
Vectoring	NV	SCI.6-8.N.8.B.2	Students know scientific knowledge is revised through a process of incorporating new evidence gained through on-going investigation and collaborative discussion.
Center of Gravity, Pitch, Yaw	NV	SCI.6-8.N.8.A.4	Students know how to design and conduct a controlled experiment.
Center of Gravity, Pitch, Yaw	NV	SCI.6-8.N.8.A.5	Students know how to use appropriate technology and laboratory procedures safely for observing, measuring, recording, and analyzing data.
Center of Gravity, Pitch, Yaw	NV	SCI.6-8.N.8.A.6	Students know scientific inquiry includes evaluating results of scientific investigations, experiments, observations, theoretical and mathematical models, and explanations proposed by other scientists.
Fuel Efficiency	NV	SCI.6-8.N.8.A.1	Students know how to identify and critically evaluate information in data, tables, and graphs.
Fuel Efficiency	NV	SCI.6-8.N.8.A.3	Students know different explanations can be given for the same evidence.
Fuel Efficiency	NV	SCI.6-8.N.8.A.4	Students know how to design and conduct a controlled experiment.
Fuel Efficiency	NV	SCI.6-8.N.8.A.5	Students know how to use appropriate technology and laboratory procedures safely for observing, measuring, recording, and analyzing data.
Fuel Efficiency	NV	SCI.6-8.N.8.B.2	Students know scientific knowledge is revised through a process of incorporating new evidence gained through on-going investigation and collaborative discussion.