

<b>Exploring the Extreme</b>			
<b>2002 Mathematics</b>			
<b>Content Standards</b>			
<b>New Mexico Mathematics</b>			
<b>Grade K</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Finding the Center of Gravity Using Rulers	NM	MA.K.K.M.1.2	Use tools to make predictions (e.g., using a balance scale, predicting how many cups a container will hold and then filling it to check the prediction).
Finding the Center of Gravity Using Rulers	NM	MA.K.K.D.3.1	Make simple predictions.
<b>Exploring the Extreme</b>			
<b>2002 Mathematics</b>			
<b>Content Standards</b>			
<b>New Mexico Mathematics</b>			
<b>Grade 2</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Finding the Center of Gravity Using Rulers	NM	MA.2.2.M.1.6	Select and use appropriate measurement tools (e.g., ruler, yardstick, meter stick).
<b>Exploring the Extreme</b>			
<b>2002 Mathematics</b>			
<b>Content Standards</b>			
<b>New Mexico Mathematics</b>			
<b>Grade 3</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Finding the Center of Gravity Using Rulers	NM	MA.3.3.M.2.3	Use appropriate standard units and tools to estimate, measure, and solve problems (e.g., length, area, weight).
Finding the Center of Gravity Using Rulers	NM	MA.3.3.D.1.1	Collect and organize data using observations, measurements, surveys, or experiments.
Finding the Center of Gravity Using Rulers	NM	MA.3.3.D.2.1	Apply and explain the uses of sampling techniques (e.g., observations, polls, tally marks) for gathering data.
Finding the Center of Gravity Using Rulers	NM	MA.3.3.D.3.1	Analyze data displayed in a variety of formats to make reasonable inferences and predictions, answer questions, and make decisions.
Finding the Center of Gravity Using Rulers	NM	MA.3.3.D.4.2	Predict the outcomes of simple experiments (e.g., coin tossing) and test the predictions using concrete objects (e.g., coins, counters, number cubes, spinners).
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<b>2002 Mathematics</b>			
<b>Content Standards</b>			
<b>New Mexico Mathematics</b>			
<b>Grade 5</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Jet Propulsion	NM	MA.5.5.D.1.6	Formulate questions and identify data to be collected to correctly answer a question.
Vectoring	NM	MA.5.5.D.1.6	Formulate questions and identify data to be collected to correctly answer a question.
Vectoring	NM	MA.5.5.D.3.2	Compare a given prediction with the results of an investigation.
Center of Gravity, Pitch, Yaw	NM	MA.5.5.M.2.1	Solve measurement problems using appropriate tools involving length, perimeter, weight, capacity, time, and temperature.
<b>Exploring the Extreme</b>			
<b>2002 Mathematics</b>			
<b>Content Standards</b>			
<b>New Mexico Mathematics</b>			
<b>Grade 6</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Jet Propulsion	NM	MA.6.6.D.1.11	Formulate and solve problems by collecting, organizing, displaying, and interpreting data.
Vectoring	NM	MA.6.6.D.1.5	Solve problems by collecting, organizing, displaying and interpreting data.
Vectoring	NM	MA.6.6.D.1.11	Formulate and solve problems by collecting, organizing, displaying, and interpreting data.
<b>Exploring the Extreme</b>			
<b>2002 Mathematics</b>			
<b>Content Standards</b>			
<b>New Mexico Mathematics</b>			
<b>Grade 7</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Vectoring	NM	MA.7.7.D.2.3	Use the analysis of data to make convincing arguments.
Fuel Efficiency	NM	MA.7.7.A.1.2	Represent a variety of relationships using tables, graphs, verbal rules, and possible symbolic notation, and recognize the same general pattern presented in different representations.
<b>Exploring the Extreme</b>			
<b>2002 Mathematics</b>			
<b>Content Standards</b>			
<b>New Mexico Mathematics</b>			
<b>Grade 8</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	

Vectoring	NM	MA.8.8.D.3.3	Conduct simple experiments and/or simulations, record results in charts, tables, or graphs, and use the results to draw conclusions and make predictions.
Center of Gravity, Pitch, Yaw	NM	MA.8.8.A.2.4	Demonstrate understanding of the relationships between ratios, proportions, and percents and solve for a missing term in a proportion.
Center of Gravity, Pitch, Yaw	NM	MA.8.8.M.2.2	Use estimation to solve problems.
Fuel Efficiency	NM	MA.8.8.D.2.8	Use appropriate technology to display data as lists, tables, matrices, graphs, and plots and to analyze the relationships of variables in the data displayed.
Fuel Efficiency	NM	MA.8.8.D.3.3	Conduct simple experiments and/or simulations, record results in charts, tables, or graphs, and use the results to draw conclusions and make predictions.