

<b>Exploring the Extreme</b>			
<b>2006 Science</b>			
<b>Grade Level Expectations</b>			
<b>Delaware Science</b>			
<b>Grade K</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Finding the Center of Gravity Using Rulers	DE	SCI.K.1.1.1	Generate questions and predictions using observations and exploration about the natural world.
Finding the Center of Gravity Using Rulers	DE	SCI.K.1.1.2	Generate and follow simple plans using systematic observations to explore questions and predictions.
<b>Exploring the Extreme</b>			
<b>2006 Science</b>			
<b>Grade Level Expectations</b>			
<b>Delaware Science</b>			
<b>Grade 1</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Finding the Center of Gravity Using Rulers	DE	SCI.1.1.1.1	Generate questions and predictions using observations and exploration about the natural world.
Finding the Center of Gravity Using Rulers	DE	SCI.1.1.1.2	Generate and follow simple plans using systematic observations to explore questions and predictions.
Finding the Center of Gravity Using Rulers	DE	SCI.1.1.1.5	Share simple plans, data, and explanations with an audience and justify the results using the evidence from the investigation.
<b>Exploring the Extreme</b>			
<b>2006 Science</b>			
<b>Grade Level Expectations</b>			
<b>Delaware Science</b>			
<b>Grade 2</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Finding the Center of Gravity Using Rulers	DE	SCI.2.1.1.1	Generate questions and predictions using observations and exploration about the natural world.
Finding the Center of Gravity Using Rulers	DE	SCI.2.1.1.2	Generate and follow simple plans using systematic observations to explore questions and predictions.
Finding the Center of Gravity Using Rulers	DE	SCI.2.1.1.3	Collect data using observations, simple tools and equipment. Record data in tables, charts, and bar graphs. Compare data with others to examine and question results.
<b>Exploring the Extreme</b>			
<b>2006 Science</b>			
<b>Grade Level Expectations</b>			
<b>Delaware Science</b>			
<b>Grade 3</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	

Finding the Center of Gravity Using Rulers	DE	SCI.3.1.1.1	Generate questions and predictions using observations and exploration about the natural world.
Finding the Center of Gravity Using Rulers	DE	SCI.3.1.1.2	Generate and follow simple plans using systematic observations to explore questions and predictions.
Finding the Center of Gravity Using Rulers	DE	SCI.3.1.1.3	Collect data using observations, simple tools and equipment. Record data in tables, charts, and bar graphs. Compare data with others to examine and question results.
Finding the Center of Gravity Using Plumb Lines	DE	SCI.3.1.1.1	Generate questions and predictions using observations and exploration about the natural world.
Finding the Center of Gravity Using Plumb Lines	DE	SCI.3.1.1.2	Generate and follow simple plans using systematic observations to explore questions and predictions.
Finding the Center of Gravity Using Plumb Lines	DE	SCI.3.1.1.3	Collect data using observations, simple tools and equipment. Record data in tables, charts, and bar graphs. Compare data with others to examine and question results.
Finding the Center of Gravity Using Plumb Lines	DE	SCI.3.1.1.5	Share simple plans, data, and explanations with an audience and justify the results using the evidence from the investigation.
Finding the Center of Gravity Using Plumb Lines	DE	SCI.3.1.1.6	Use mathematics, reading, writing, and technology when conducting an investigation and communicating the results.
Changing the Center of Gravity Using Moment Arms	DE	SCI.3.1.1.1	Generate questions and predictions using observations and exploration about the natural world.
Changing the Center of Gravity Using Moment Arms	DE	SCI.3.1.1.2	Generate and follow simple plans using systematic observations to explore questions and predictions.
Changing the Center of Gravity Using Moment Arms	DE	SCI.3.1.1.3	Collect data using observations, simple tools and equipment. Record data in tables, charts, and bar graphs. Compare data with others to examine and question results.
<b>Exploring the Extreme</b>			
<b>2006 Science</b>			
<b>Grade Level Expectations</b>			
<b>Delaware Science</b>			
<b>Grade 4</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Finding the Center of Gravity Using Rulers	DE	SCI.4.1.1.1	Generate focused questions and informed predictions about the natural world.
Finding the Center of Gravity Using Rulers	DE	SCI.4.1.1.2	Design and conduct simple to multi-step investigations in order to test predictions. Keep constant all but the condition being tested.

Finding the Center of Gravity Using Rulers	DE	SCI.4.1.1.4	Construct a reasonable explanation by analyzing evidence from the data. Revise the explanation after comparing results with other sources or after further investigation.
Finding the Center of Gravity Using Plumb Lines	DE	SCI.4.1.1.1	Generate focused questions and informed predictions about the natural world.
Finding the Center of Gravity Using Plumb Lines	DE	SCI.4.1.1.4	Construct a reasonable explanation by analyzing evidence from the data. Revise the explanation after comparing results with other sources or after further investigation.
Changing the Center of Gravity Using Moment Arms	DE	SCI.4.1.1.1	Generate focused questions and informed predictions about the natural world.
Changing the Center of Gravity Using Moment Arms	DE	SCI.4.1.1.4	Construct a reasonable explanation by analyzing evidence from the data. Revise the explanation after comparing results with other sources or after further investigation.
<b>Exploring the Extreme</b>			
<b>2006 Science</b>			
<b>Grade Level Expectations</b>			
<b>Delaware Science</b>			
<b>Grade 5</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Jet Propulsion	DE	SCI.5.1.1.5	Communicate procedures, data, and explanations to a variety of audiences. Justify the results by using evidence to form an argument.
Vectoring	DE	SCI.5.1.1.4	Construct a reasonable explanation by analyzing evidence from the data. Revise the explanation after comparing results with other sources or after further investigation.
Vectoring	DE	SCI.5.1.1.5	Communicate procedures, data, and explanations to a variety of audiences. Justify the results by using evidence to form an argument.
<b>Exploring the Extreme</b>			
<b>2006 Science</b>			
<b>Grade Level Expectations</b>			
<b>Delaware Science</b>			
<b>Grade 6</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Jet Propulsion	DE	SCI.6.1.1.1	Frame and refine questions that can be investigated scientifically, and generate testable hypotheses.
Jet Propulsion	DE	SCI.6.1.1.2	Design and conduct investigations with controlled variables to test hypotheses.
Vectoring	DE	SCI.6.1.1.1	Frame and refine questions that can be investigated scientifically, and generate testable hypotheses.

Vectoring	DE	SCI.6.1.1.2	Design and conduct investigations with controlled variables to test hypotheses.
<b>Exploring the Extreme</b>			
<b>2006 Science</b>			
<b>Grade Level Expectations</b>			
<b>Delaware Science</b>			
<b>Grade 7</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Jet Propulsion	DE	SCI.7.1.1.1	Frame and refine questions that can be investigated scientifically, and generate testable hypotheses.
Jet Propulsion	DE	SCI.7.1.1.2	Design and conduct investigations with controlled variables to test hypotheses.
Vectoring	DE	SCI.7.1.1.1	Frame and refine questions that can be investigated scientifically, and generate testable hypotheses.
Vectoring	DE	SCI.7.1.1.2	Design and conduct investigations with controlled variables to test hypotheses.
Fuel Efficiency	DE	SCI.7.1.1.3	Accurately collect data through the selection and use of tools and techniques appropriate to the investigation. Construct tables, diagrams and graphs, showing relationships between two variables, to display and facilitate analysis of data. Compare and question results with and from other students.
<b>Grade Level Expectations</b>			
<b>Delaware Science</b>			
<b>Grade 8</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Jet Propulsion	DE	SCI.8.1.1.1	Frame and refine questions that can be investigated scientifically, and generate testable hypotheses.
Jet Propulsion	DE	SCI.8.1.1.2	Design and conduct investigations with controlled variables to test hypotheses.
Vectoring	DE	SCI.8.1.1.1	Frame and refine questions that can be investigated scientifically, and generate testable hypotheses.
Vectoring	DE	SCI.8.1.1.2	Design and conduct investigations with controlled variables to test hypotheses.
Fuel Efficiency	DE	SCI.8.1.1.3	Accurately collect data through the selection and use of tools and techniques appropriate to the investigation. Construct tables, diagrams and graphs, showing relationships between two variables, to display and facilitate analysis of data. Compare and question results with and from other students.