

Exploring the Extreme			
2005 Mathematics			
Curriculum Frameworks			
Connecticut Mathematics			
Grade 1			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	CT	MA.1.3.3.c	Use standard units of measure to communicate measurement in a universal manner.
Exploring the Extreme			
2005 Mathematics			
Curriculum Frameworks			
Connecticut Mathematics			
Grade 3			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	CT	MA.3.3.3.b	Determine and use different tools and units appropriate for specific measurement tasks.
Finding the Center of Gravity Using Plumb Lines	CT	MA.3.3.3.b	Determine and use different tools and units appropriate for specific measurement tasks.
Changing the Center of Gravity Using Moment Arms	CT	MA.3.3.3.b	Determine and use different tools and units appropriate for specific measurement tasks.
Changing the Center of Gravity Using Moment Arms	CT	MA.3.4.1.a	Design surveys for the collection of data and justify conclusions drawn from the data.
Exploring the Extreme			
2005 Mathematics			
Curriculum Frameworks			
Connecticut Mathematics			
Grade 4			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Plumb Lines	CT	MA.4.2.1.b	Use models and pictures to reveal patterns about equivalent fractions and ratios.
Exploring the Extreme			
2005 Mathematics			
Curriculum Frameworks			
Connecticut Mathematics			
Grade 5			
Activity/Lesson	State	Standards	
Jet Propulsion	CT	MA.5.1.2.a	Recognize that a change in one variable may relate to a change in another variable.
Vectoring	CT	MA.5.1.2.a	Recognize that a change in one variable may relate to a change in another variable.

Vectoring	CT	MA.5.4.2.a	Examine different data collection methods and their effects.
Exploring the Extreme			
2005 Mathematics			
Curriculum Frameworks			
Connecticut Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
Center of Gravity, Pitch, Yaw	CT	MA.6.2.2.a	Solve problems using a variety of computational strategies, including the use of calculators.
Center of Gravity, Pitch, Yaw	CT	MA.6.3.3.a	Solve problems involving measurement through the use of a variety of tools, techniques and strategies.
Fuel Efficiency	CT	MA.6.3.3.a	Solve problems involving measurement through the use of a variety of tools, techniques and strategies.
Exploring the Extreme			
2005 Mathematics			
Curriculum Frameworks			
Connecticut Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
Jet Propulsion	CT	MA.8.4.1.a	Construct appropriate representations of data based on the size and kind of data set and the purpose for their use.
Vectoring	CT	MA.8.4.1.a	Construct appropriate representations of data based on the size and kind of data set and the purpose for their use.
Center of Gravity, Pitch, Yaw	CT	MA.8.2.2.a	Solve problems involving fractions, decimals, ratios and percents.
Center of Gravity, Pitch, Yaw	CT	MA.8.3.3.b	Solve problems involving measurement through the use of appropriate tools, techniques and strategies.
Fuel Efficiency	CT	MA.8.4.2.a	Make and evaluate statistical claims and justify conclusions with evidence.