

Exploring the Extreme			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grade K			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	NC	MA.K.4.01	Collect and organize data as a group activity.
Exploring the Extreme			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grade 4			
Activity/Lesson	State	Standards	
Changing the Center of Gravity Using Moment Arms	NC	MA.4.4.04	Design experiments and list all possible outcomes and probabilities for an event.
Exploring the Extreme			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grade 5			
Activity/Lesson	State	Standards	
Vectoring	NC	MA.5.2.02	Identify, estimate, and measure the angles of plane figures using appropriate tools.
Center of Gravity, Pitch, Yaw	NC	MA.5.1.03	Develop flexibility in solving problems by selecting strategies and using mental computation, estimation, calculators or computers, and paper and pencil.
Exploring the Extreme			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
Vectoring	NC	MA.6.2.01	Estimate and measure length, perimeter, area, angles, weight, and mass of two- and three-dimensional figures, using appropriate tools.
Center of Gravity, Pitch, Yaw	NC	MA.6.1.02.b	Make estimates in appropriate situations.
Exploring the Extreme			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grade 7			

Activity/Lesson	State	Standards	
Center of Gravity, Pitch, Yaw	NC	MA.7.1.01	Develop and use ratios, proportions, and percents to solve problems.