

Exploring the Extreme			
2009 Mathematics			
Content Standards			
Montana Mathematics			
Grades K-4			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	MT	MA.K-4.1.5	Select and apply appropriate standard units and tools to measure length, time, and temperature within relevant scientific and cultural situations, including those of Montana American Indians.
Changing the Center of Gravity Using Moment Arms	MT	MA.K-4.1.5	Select and apply appropriate standard units and tools to measure length, time, and temperature within relevant scientific and cultural situations, including those of Montana American Indians.
Changing the Center of Gravity Using Moment Arms	MT	MA.K-4.4.4	Develop an understanding of equivalence by expressing numbers, measures, and numerical expressions involving operations in a variety of ways.
Exploring the Extreme			
2009 Mathematics			
Content Standards			
Montana Mathematics			
Grades 5-8			
Activity/Lesson	State	Standards	
Vectoring	MT	MA.5-8.3.4	Measure and compute angles, perimeter, area, surface area, and volume including the use of formulas and choosing appropriate units.
Center of Gravity, Pitch, Yaw	MT	MA.5-8.1.5	Use metric and standard units of measurement in relevant scientific and cultural situations, including those of Montana American Indians, compare and convert within systems, and use appropriate technology.
Center of Gravity, Pitch, Yaw	MT	MA.5-8.1.6	Understand and apply proportional relationships to model real world situations and to solve problems involving rates, ratios, proportions, percents, and direct variation.