

Centre of Gravity		Grade 7: Form and Function	
Curriculum Connections	Topic	Structures and Mechanisms	
	Fundamental Concepts	Structures and Function	
<p>Description Investigate how the centre of gravity of a structure affects the structure’s stability and balance, then test your skills at stacking a dramatic overhang that seems to defy gravity.</p>			
<p>Big Ideas The interactions between structures and forces is predictable</p>	<p>Overall Expectations</p> <ol style="list-style-type: none"> design and construct a variety of structures, and investigate the relationship between the design and function of these structures and the forces that act on them demonstrate an understanding of the relationship between structural forms and the forces that act on and within them 		
<p>Specific Expectations</p> <ol style="list-style-type: none"> design, construct, and use physical models to investigate the effects of various forces on structures describe ways in which the centre of gravity of a structure affects the structure's stability 			