

Paper Chair Engineering		Grade 7: Form and Function	
Curriculum Connections	Topic	Structures and Mechanisms	
	Fundamental Concepts	Structures and Function	
<p>Description Can you create a chair that can hold a load using only paper and tape? Explore what makes a chair strong and stable enough to sit on, and apply learning about what elements lend support, strength, and stability to structures.</p>			
<p>Big Ideas The form of a structure is dependent on its function</p>		<p>Overall Expectations <ol style="list-style-type: none"> 1. analyse personal, social, economic, and environmental factors that need to be considered in designing and building structures and devices 2. 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 </p>	
<p>Specific Expectations <ol style="list-style-type: none"> 1.2 evaluate the impact of ergonomic design on the safety and efficiency of workplaces, tools, and everyday objects 2.4 use technological problem-solving skills to determine the most efficient way for a structure to support a given load </p>			