

## Expectations and Outcomes

Grade Level/Course: Sixth Grade

Content Area: Tech Ed

Unit Title	Guarantees
Introduction to Technology	<ul style="list-style-type: none"> <li>• Read and record linear</li> <li>• measurements to nearest 1/16</li> <li>• Identify fractional inch rulers divided into ¼, 1/8/ 1/16</li> <li>• Reduce a fraction to lowest terms</li> </ul>
Construction – Super Clothespin	<ul style="list-style-type: none"> <li>• Read a ruler</li> <li>• Design using CAD</li> <li>• Demonstrate safe use of tools</li> <li>• Initiate use of laser engraver</li> </ul>
Rocketry	<ul style="list-style-type: none"> <li>• Describe third law of motion</li> <li>• Recognize and define vocabulary</li> <li>• Identify basic path of rocket</li> <li>• Identify various parts of a model rocket and function</li> <li>• Demonstrate safe use of tools and materials during construction</li> </ul>
Robotics	<ul style="list-style-type: none"> <li>• Use engineering skills to come up with different robotic systems to achieve a certain task</li> </ul>
Alternative Energy	<ul style="list-style-type: none"> <li>• Build wind generator/solar car using Lego Mindstorm</li> </ul>