

**ADW Grades 6-8  
Engineering Standards  
2017**

<b>Grades 6-8 Engineering Standards (E)</b>	<b>Standards</b>
<b>SC.6-8.E.1</b>	Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.
<b>SC.6-8.E.2</b>	Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem.
<b>SC.6-8.E.3</b>	Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success.