



Competitive Event Prep Chapter 7

Design and Develop a Structure

Identify

Several competitive events across the nation require students to design and develop their own structure. Structures are made out of materials ranging from wood to spaghetti. The regulations are very specific, and students must be properly prepared by the competition date.

Set Up

Thoroughly review the rules. Prepare the supplies, tools, and resources that would be available to you at the competitive event site.

Execute

Simulate the event at your school, requiring that all procedures, limitations, and rules are followed. Ask a teacher to serve as the head judge. This intra-class competition could also help in selecting the participating team.

Evaluate

Where did your structure fail? How can you better apply your knowledge of the forces on structures into the design and development of a more efficient structure?

Share

Present this experience to your competitive event judge. Explain what you learned and how you addressed your weaknesses.