



## Competitive Event Prep Chapter 9

# Fix It Box

### Identify

Several national competitive events are presented by organizations like FIRST, SkillsUSA, and TSA. These events require the design and construction of several subsystems which work together to achieve the final goal. These systems must work over long periods of time and must be transported over long distances to the competitive event site.

### Set Up

In days leading up to the competition, analyze your final solution. Develop a bill of materials which includes every material on the prototype. Include a detailed list of tools that were required for assembly.

### Execute

Locate and pack a “Fix It Box”. This box should include all necessary replacement tools and materials. Do not forget additional supplies like extension cords and adhesives that may not be on your finished prototype.

### Evaluate

As a team, develop a checklist and double check to ensure that all supplies are packed. Ensure that the toolbox is durable too.

### Share

Save the checklist and share with other students who may be also participating in the same event.