***5 Steps for Designing a Robot***  
  
**1. Determine Your Requirements**  
As a team decide what you want to accomplish in the competition.  FRC games can be very complex and there are usually multiple ways to score points.  Make a list of the things you want your robot to do as a guide for future brainstorming.  
  
**2. Brainstorm Designs**  
Conduct brainstorming sessions for robot designs that meet your requirements.  If you have a lot of people you can break up into separate groups.  Write down all the ideas that you come up with, even the crazy ones.  
  
**3. Prototype and Test**  
Select the designs from your brainstorming that seem the most promising and build simple prototypes to test the concepts.  Extensive testing of these prototypes is key to selecting a final design.  
  
**4. Select a Final Design**  
Incorporate the most successful prototypes into a final robot design.  You may find it useful to make a CAD model of your robot for reference purposes later on.  
  
**5. Build Your Design**  
Congratulations you have designed your robot!  All that's left for you to do is to actually build your design.  Good luck!