

Priority	Description	Type	Person Responsible	Due Date/Lead Time	Status	Resource
1	Determine Robot Main Objective (score, herd, defense, etc)	Students and/or Mentors		Week 2		<a href="http://www.usfirst.org/uploadedFiles/7%20-%20The%20Game%20Rev%20D.pdf">http://www.usfirst.org/uploadedFiles/7%20-%20The%20Game%20Rev%20D.pdf</a>
2	Construct Robot Frame/Chassis (use Kit of parts or custom-made)	Students and/or Mentors		Week 2		<a href="http://lib.store.yahoo.net/lib/yhst-3383170891817/C-Base-User-Guide.pdf">http://lib.store.yahoo.net/lib/yhst-3383170891817/C-Base-User-Guide.pdf</a>
3	Determine Drive Train Type (tank drive, crab drive, etc. Number of wheels)	Students and/or Mentors		Week 2		<a href="http://first.wpi.edu/images/CMS/First/2007CON_Drive_Systems_Copioli.pdf">http://first.wpi.edu/images/CMS/First/2007CON_Drive_Systems_Copioli.pdf</a>
4	Determine Programming Language (LabVIEW or C)	Students and/or Mentors		Week 2		
5	Prototype Manipulators	Students and/or Mentors		Week 2		
6	Determine Manipulators (ball pick up device, ball scoring device, ball holding, etc)	Students and/or Mentors		Week 3		<a href="http://first.wpi.edu/ERC/trc-mechanical.html">http://first.wpi.edu/ERC/trc-mechanical.html</a>
7	Build Drive Train	Students and/or Mentors		Week 3		
	Order Bumper Materials (Pool Noodles)	Students and/or Mentors		Prior to ship date, with lead time to ship		<a href="http://www.pooltown.net/Swimming-Pool-Spa-Supply/Product.aspx?g=7918&amp;pn=Noodles&amp;c=Pool%20Toys%20Lounges">http://www.pooltown.net/Swimming-Pool-Spa-Supply/Product.aspx?g=7918&amp;pn=Noodles&amp;c=Pool%20Toys%20Lounges</a>
	Order Bumper Materials (Duck Cloth)	Students and/or Mentors		Prior to ship date, with lead time to ship		<a href="http://www.ahh.biz/products/1000%20%20denier%20cordura%20plus%20fabric%20FCP100.htm">http://www.ahh.biz/products/1000%20%20denier%20cordura%20plus%20fabric%20FCP100.htm</a>
9	Program Drive Train	Students and/or Mentors		Weeks 4 and 5		
10	Program Manipulators	Students and/or Mentors		Weeks 4 and 5		
11	Program Camera (advanced)	Students and/or Mentors		Weeks 4 and 5		
12	Build Bumpers	Students and/or Mentors		Prior to ship date		<a href="http://www.usfirst.org/uploadedFiles/8%20-%20The%20Robot%20Rev%20E.pdf">http://www.usfirst.org/uploadedFiles/8%20-%20The%20Robot%20Rev%20E.pdf</a>
13	Create Logos for Robot	Students and/or Mentors		Prior to ship date		
14	Create Bill of Materials (one updated copy for each competition)	Students and/or Mentors		Running Task: Complete by first District		
15	Monitor Weight (120 pounds or less)	Students and/or Mentors		Running Task: Do NOT exceed 120 Pounds		