

Bioengineering Parts List and Assembly Instructions Rubric

Instructor: Z. Maria Oden

Team Name: _____

		Cycle 3	Cycle 4	Cycle 5	
1.	All parts used in final design are listed with enough information to allow another team to obtain or make all parts	/5			
2.	Assembly instructions complete to allow another team to recreate device	/10		*	
3	Updates based on design improvement and corrections made based on feedback		/10		
	TOTAL:	/15	/10	*	

*75% of the points not earned in TC4 can be earned in TC5 if updates are made

From instructions:

The parts list will be just that: A list or table of the parts actually used to create your final design. The purchase list you have been keeping includes everything your team purchased—use this list as a resource for the parts list, which only includes parts actually used to complete your design. Be sure to update the purchase list in each cycle as well. You will also need to include parts that you didn't purchase, but nevertheless used in your design. For all specialized parts, include a model number, the function of the part in the design, and enough identifying information or vendor information to help individuals attempting to recreate your design. Commodity items (screws, bolts, tubing, etc.) should be described in sufficient detail to make a purchase.

The assembly instructions should provide a sequenced set of steps to follow to put your design together. Use illustrations to minimize confusion and assist users whose first language may not be English. Take a look at the instructions that come with common household appliances, laboratory equipment, and even toys for examples of good (and bad) instructions. Consider having another team follow your instructions to determine places where your instructions might be inaccurate or hard to follow.