

Sample/Template Tournament Mission Possible Task Sequence List
 School: Springfield High School
 Team Number: C1
 Participants: Jane Doe, Jimmy Smith

Instructions: Replace sections above with tournament, school name, team number and participant names. Replace tasks (scoreable and non-scoreable) in the table below with tasks in your team's device. Add or delete rows as needed. Number, label and assign point values for each scoreable task. Delete this instructions section.

No.	Starting Energy Form	Task	Ending Energy Form	Points
1	N/A	Golf tees, paperclips and marbles are poured into a container from outside box, triggering a lever.	Mechanical	100
2	Mechanical	Match attached to end of lever strikes ignition strip	Thermal	30
3	Thermal	Match melts fishing line, releasing cup of baking soda	Mechanical	30
3	Mechanical	Baking soda releases into sealed container of vinegar, producing Carbon Dioxide	Chemical	20
4	Chemical	Carbon Dioxide inflates balloon	Mechanical	30
...		... and so on		...
12		Mass of sorted golf tees, paperclips and marbles flips switch and turns on light	N/A	250

Note that rules 4.b, 5.k, 5.l and 5.m all have specific requirements regarding energy transfers and points. The following sequence is a sample of a legal energy transfer sequence and the corresponding points for each transfer.

1)Mechanical > 2)Thermal > 3)Mechanical > 4)Chemical > 5)Mechanical > 6)Electrical > 7)Mechanical > 8)Electromagnetic > 9)Thermal > 10)Mechanical

1)30 pts. 2)30 pts. 3)20 pts. 4)30 pts. 5)10 pts. 6)30 pts.
 7)No points 8)30 pts. 9)No points 10)No points