

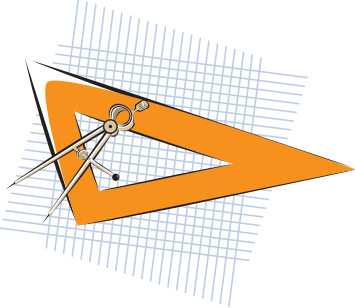


# Choosing the Best Solution

Technology Challenge  
London District Catholic School Board



**Using a Criteria:** (use this chart to rate the things that affect your selection of the best design)

Possible Designs	Criteria										Decision										
	select criteria from the list below and rate the things your group feels are important for choosing the best idea										place check marks in the appropriate boxes										
 <p>list the ideas your group has generated on the lines below - (e.g. idea #1 or conveyor belt)</p>											Total Points	Reject Idea	Modify Idea	Keep Idea	Combine Ideas						

## Instructions

1. Decide which of the criteria listed below are important to consider for this project. Are some more important than the others? You may wish to use only a few or all of the criteria.
2. Consider each idea your group has discussed, ranking them on a scale of 1 to 5 for each of your criteria (1 being poor and 5 being excellent).
3. Total the rankings for each idea.
4. Based on the points awarded to each idea decide which ones your group will reject, modify, combine and/or keep.

## Criteria

- Safety - Is this design going to be safe to use? Is it going to be safe to build?
- Function - Will this design perform the required task? Is it likely to work?
- Aesthetics - What will this finished design look like? Will it have a pleasing appearance?
- Ergonomics - How will this design relate to its intended users? Will it be easy to use?
- Time - Will this design be achievable within the allotted time frame?
- Materials - Are there appropriate materials available? Will these materials be affordable?
- Fabrication - What tools will be needed to complete this design? Do you have the experience with the required processes? Can you learn the necessary skills in the available time? Can you employ an expert?
- Environment - What effect will this design have on the planet and/or its inhabitants?
- Cost - How much money will this idea require? Will it be good value for the money?