Radioactive Waste Clean Up

A radioactive meteor has just landed in Montville. Unfortunately it broke apart and landed in many pieces. Luckily the debris landed in small wiffleball like clusters in only a couple of areas in town. To keep the citizens of Montville safe the government is asking the students of the MHS robotics class to create robots that will clear the debris from these areas. Since the debris is highly radioactive each team will have to operate their robot from a remote location. If the robot spends more than three minutes in close proximity to the debris it will become contaminated and cease to work. The robot must pick up each piece and place it in a lead protected area. Each team must consider the terrain and the size of the debris in the design. Please save our town!!!

Rules	Assessment Rubric Points Team Teacher			
1. Teams of 2-4 students	Quality of the Design	50		
2. Teams can use Vex controllers and other objects approved by the instructor. Each extra	Safety and Design Consideration	50		
item must be listed in a bill of materials.	Performance / Final Operation	50		
inacciano.	Workmanship	50		
3. There may be obstacles in the field of play.	Proof of planning	50		
4. You cannot damage another teams robot.	Engineering Design Notebook	100		
F TT 1 .	Total Points	350		
5. Team members cannot communicate from the playing field to members in the control room.	Team + Teacher/2 = Average Average			

6. Each team member has to contribute to the engineering notebook.

7. One point will be awarded for each radioactive ball placed in the lead container. Three points will be awarded for placing each wooden block in the lead container.

Self Evaluation

- 0- Not Attempted
- 10- Incomplete
- 20- Needs improvement (robot works but does not place anything in container)
- 30- Adequate (one ot two objects were placed in the container)
- 40- Good (robot works consistently)
- 50- Industry Standard (excellent!)