

	Challenge	Parts	Description	points
1	Building Airstrips	Marston mat (rug liner)	Robot unrolls mat on island to represent airstrip building	Fully unrolled 30 Partly unrolled 20
2	Building Bases	Half-can Quonset hut	Robot delivers Quonset hut to island	On island 30 On island but touching water 25
3	Fighting Disease	Plastic bugs	Robot sweeps bugs from island to represent spraying of DDT and delivery of Atabrine	6 points for each of 5 bugs, for a total of 30
4	Sonar Mapping	3 dice	Robot drops 3 dice in box. Team member reads the dice to get x, y, and z coordinates. Plots 3D location of sub. Represents sonar location of submarines	5 points for getting each of 3 die in box. 20 points for proper representations of coordinates, total 35
5	Crossing the equator	Spool with polliwog on one side and shellback on the other	Robot moves spool from point A to B (across the equator) and flips it over	20 points for moving the spool from starting point to boat below equator, 20 points for flipping it over, total 40
6	Plane deployment	1 large plane 5 small planes	Robot places planes on the airstrip and the aircraft carrier	20 points placing large plane on the airstrip, or the island where the airstrip should be, 5 points each for placing small planes on the aircraft carrier total 45
7	Raising the flag	Volcano, small flag	Robot places the flag on the mountain on the island	40 points for getting the flag on the mountain (and it stays there and stays upright) 30 points if the flag is on the mountain but not upright
8	Moving Pacific Fleet	Small plastic boats	Robot moves fleet of ships from coast to island	10 points for each of 4 boats, total 40
9	Code talking	Code, blank paper, tube	Robot retrieves code from one side of island, team member translates it, robot returns code to other side of island	10 points for retrieval of code, 20 points for translation of code, 20 points for return of code to target center, for total of 50 15 points if code is in area just outside of target, 10 points if in outer ring

Challenge	Parts	Description	points
10	Weather tracking	Radar receiver model	Robot moves receiver to point due West Between East and North 20 Due North 30 Between North and West 30 Due West 40
11	Reconstructing Japan	Cardstock-template models	Robot stacks building blocks Blocks stacked completely 40 Block partly on block, partly on mat 30