ROLES

ELISE: program team__ person__
KYLE: program team__ person__
LINDSEY: Narrator
MARC: Referee
JEANNETTE: program team__ person__ *(brings in attachments)*
MICHAEL: program team__ person__
DAVID: program team__ person__
KAUSTUBH: program team__ person__ *(Brings in binder and gives it to judge)*
KRIS: program team__ person__
ALEX: program team__ person__ *(brings in robot)*

WHOLE TEAM:
Enters judging room **SILENTL**Y

LINDSEY:
(Walks to center front) This is team 3837, NXTreme. I am Lindsey. May we show you all of our programs? [1]

KAUSTUBH:
Here is our technical binder *(Gives judges technical binder)*

LINDSEY:
Program team 1 person A and Program team 1 person B will be running program 1(steps off to side)

---

[1] If the judges say no, Lindsey will ask how many programs they can show. The programs will be prioritized in this order:
1. PROGRAM___
2. PROGRAM__
3. PROGRAM__
4. PROGRAM__

Lindsey will introduce program teams in this order if and ONLY IF, the judges do not permit all four programs to be run.

PROGRAM TEAM 1:
Person 1 will set robot up
Person 2 will narrate, key points for program 1 are:
-specialized jug knocks insulation down before robot
-Jig will open window and turn off lights simultaneously
-People in a breakaway jig that will come off as robot rams into wall, thus killing the people, uses touch sensor to tell when it has hit the wall
-Lifts floodgate with a an adjustable attachment that will forgive inaccuracy
-Removes the balls thus freeing up the field
-Has a button so it can go back out to get laptop and then deliver it to house

MARC:
(Will act as the referee removing all pieces that need to be removed)

LINDSEY:
Program team 2 person A and Program team 2 person B will run program 2

PROGRAM TEAM 2:
Person 1 will set robot up
Person 2 will narrate, key points for program 2 are:
-A non-motorized device activated by hitting the carbon reservoir and dumps the carbon
-Push a button so it can do the storm
-Has an arm with a stop so it stops in the same place consistently and is at the proper level to pick up the ice buoy, the stop hits the touch sensor to stop arm
- Delivers the levees and people

MARC:
(Will act as the referee removing all pieces that need to be removed)

LINDSEY:

Program team 3 person A and Program team 3 person B will run program 3

PROGRAM TEAM 3
Person 1 will set up robot
Person 2 will narrate, key points for program 3 are:
-Has a polar bear neck ring that holds polar bear and a pitchfork to deliver all the things to research area
-Uses touch sensor to lower arm to correct place
-Uses prongs to get ice core

MARC:
(Will act as the referee removing all pieces that need to be removed)

LINDSEY:
Program team 4 person A and Program team 4 person B will run program 4

PROGRAM TEAM 4
Person 1 will set up robot
Person 2 will narrate, key points for program 3 are:
-Uses light sensor to know how far it is from wall
-Uses jig to raise house
-backs into black line using light sensor
-Has really cool alignment attachment
-lowers arm at green line with hook until stop and gets ice drilling machine
-Ends in research area allowing arm to get points

MARC:
(Will act as the referee removing all pieces that need to be removed)

LINDSEY:
(walks to front center) Thank you. The most notable features of our robot are:
-The robot uses alignment jigs to counter unreliability of robot/differences in mat ect.

-Missions were grouped into four program groups by proximity and attachments (ex. Two missions need the pitchfork and are at the far end of the mat are grouped together)
-Uses Light touch and rotation sensors to help in navigation and consistency
-Uses stops to standardize the heights of the arm attachments
-A geared four wheel drive robot and has a third geared motor to allow motorized attachments
-3/4 programs start in same position to minimize error in setup
-The alignment attachment can be set by user as a mechanical solution
-Some attachments remain on robot to minimize setup time
-Uses wheel runners and the wall to keep going straight along the walls
-Uses the walls to tell where it is
Do you have any questions?