

# Tomorrow's Engineers EEP Robotics Challenge



School Name:

Judge's Initials:

## Robot Challenge - Scoresheet

Master (5 points)

Experts (3 points)

Persistent (1 point)

Total /5

1

### It's robot showtime

You need to perform a 30 second routine with coordinated movement of your robot. Make use of the LCD display screen with your team logo and play a 'soundtrack' for your robot to perform to – played back through the robot speakers!

- What a perfectly presented robot! A showcase to be proud of - all aspects achieved!
- A good attempt – but a little more polish needed...
- Good to see your robot out there, but there were a few wobbles(!) so it's back to the practice yard!

2

### Collect the engine parts

- Both engines returned to the ROBOT ZONE.
- One engine returned to the ROBOT ZONE.
- Attempted the task – looks like we might have a flight delay. Stay resilient!

3

### Secure the area

- Gate open and closed (must be in closed position when the challenge has ended). Open and shut with the Transport Aircraft retrieved.
- Gate opened but not closed.
- Attempted the task.

4

### Transport aircraft retrieved and transfer aircraft to loading area

- Transport aircraft in Transport Aircraft Bay (inside the lines) with BOTH engines attached.
- Transport Aircraft returned to ROBOT ZONE but didn't get to the TRANSPORT AIRCRAFT bay.
- Attempted the task.

5

### Humanitarian aid store

- 4 Aid Parcels delivered back to the ROBOT ZONE and attached to the YELLOW SERVICE CAR
- Made a great effort at getting the cargo – 4 Aid Pparcels. Maybe they lifted and dropped, or didn't quite make it back to the ROBOT ZONE
- Attempted to retrieve the structure with its precious cargo.

6

### Putting the engineer to work

- YELLOW SERVICE CAR in the LOADING BAY (inside the lines) with ENGINEER attached and the 4 Aid Parcels on board.
- Engineer returned to ROBOT ZONE but didn't make it out to the aircraft.
- Attempted the task.

7

### Ramp Challenge (use the following formula to calculate the points)

MAXIMUM POINTS = 10

SETTING OF RAMP (5, 4, 3 OR 2)	x	2	x	0.5 (HALF WAY) 1 (FULL WAY) 0 (IF LESS THAN HALF WAY)	-	2 IF ROBOT FALLS OFF TOP AND 0 IF IT DOESN'T	=
	x	2	x		-		=

Minus penalty points (max 5)

Total /40