



TCEA Mindstorms Robotics Challenge 2019-2020

Bees, Bots and Beyond!

Advanced Score Sheet - State

Team Name _____

Round # _____

Table # _____

Judge Name _____

Total points _____ (690 max)

1.5.1 Take nectar to the outside four frames

Each +10

Points _____

(red checker must be touching one of the outer 4 ovals)

No +0

(+100 points max)



1.5.2 Take pollen to the 3rd or 8th frames

Each +20

Points _____

(black checker must be touching either the 3rd or 8th oval)

No -0

(+200 points max)



1.5.3 Place the Queen

Yes +30

Points _____

(Queen must be touching one of the center 4 ovals)

No -0

(+30 points max)

1.5.3 Disturb brood

Yes -20

Points _____

(Moved any PVC coupler)

No -0

(-20 points min)

1.5.4 Move water in to the hive

Each +40

Points _____

(Cotton ball must touch any oval and Dixie cup remains undisturbed)

No +0

(+80 points max)



2.2 Touch Penalties

Each -10

Points _____

(-10 points per touch recovery)

No +0

(-100 points max)



This task is scorable for competition rounds 2 and 3 only.

1.5.6 Mystery Task

Not attempted -30

Points _____

(must be attempted before any other task)

Attempted but not successful +0

(+50 points max)

Attempted and successful +50

If the team does not have a Bill of Materials, no points awarded in this section.

2.3.3 and 4.1.7 BOM Provided

Yes +100

Points _____

No +0

(+100 points max)

1.5.5 Park the robotic honey bee in the Honey House

Not in HH +0

Points _____

(Can touch frame; must break the plane)

in HH +10

(+10 points max)

5.2 Wax cappings

Each +10

Points _____

(+10 points per wax capping that covers at least 1/2 of a coupler or red checker)

No +0

(+100 points max)



5.2 No touch penalties taken

No penalties +20

Points _____

Penalties +0

(+20 points max)

Judge's Initials _____

Team Captain's Initials _____