



# TCEA Mindstorms Robotics Challenge 2019-2020

## Bees, Bots and Beyond!

### Advanced Score Sheet

Team Name \_\_\_\_\_

Round # \_\_\_\_\_ Table # \_\_\_\_\_

Judge Name \_\_\_\_\_

Total points \_\_\_\_\_ (570 max)

#### 1.5.1 Take nectar to the outside four frames

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



Each +10 Points \_\_\_\_\_  
No +0 (+100 points max)

#### 1.5.2 Take pollen to the 3<sup>rd</sup> or 8<sup>th</sup> frames

(black checker must be touching either the 3<sup>rd</sup> or 8<sup>th</sup> oval)



Each +20 Points \_\_\_\_\_  
No -0 (+200 points max)

#### 1.5.3 Place the Queen

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

Yes +30 Points \_\_\_\_\_  
No -0 (+30 points max)

#### 1.5.3 Disturb brood

(Moved any PVC coupler)

Yes -20 Points \_\_\_\_\_  
No -0 (-20 points max)

#### 1.5.4 Move water in to the hive

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



Each +40 Points \_\_\_\_\_  
No +0 (+80 points max)

#### 2.2 Touch Penalties

(-10 points per touch recovery)



Each -10 Points \_\_\_\_\_  
No +0 (-100 points max)

### If the team does not have a Bill of Materials, no points awarded below this line.

#### 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

(Cannot touch frame; must break the plane)

In HH +10 Points \_\_\_\_\_  
Not in HH +0 (+10 points max)

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

#### 1.5.6 Mystery Task

(must be attempted before any other task)

Not attempted -30 Points \_\_\_\_\_  
Attempted but not successful +0 (+50 points max)  
Attempted and successful +50

Rev 1

Judge's Initials \_\_\_\_\_

Team Captain's Initials \_\_\_\_\_