

## 2050 Food Effect Robothon Excel Scoring User Guide

DISCLAIMER: The Robothon Excel Scoring can be used for both LEGO EV3 and VEX IQ categories. It is every Organizer and Score Admin’s responsibility to verify and double-check each team’s score and rank after the competition has ended.

### 1 UPDATE TEAM INFORMATION

1.1 Update ‘Teams’ spreadsheet with the following information:

- 1.1.1 Team ID
- 1.1.2 Country
- 1.1.3 School
- 1.1.4 Name of Student 1
- 1.1.5 Name of Student 2
- 1.1.6 Name of Student 3

	A	B	C	D	E	F
1	Team ID	Country	School	Student1	Student2	Student3
2	A1	Country 1	School 1	Student 1	Student 2	Student 3
3	A2	Country 2	School 2	Student 2	Student 3	Student 4
4	A3	Country 3	School 3	Student 3	Student 4	Student 5
5	A4	Country 4	School 4	Student 4	Student 5	Student 6
6	A5	Country 5	School 5	Student 5	Student 6	Student 7
7	A6	Country 6	School 6	Student 6	Student 7	Student 8
8	A7	Country 7	School 7	Student 7	Student 8	Student 9
9	A8	Country 8	School 8	Student 8	Student 9	Student 10
10	A9	Country 9	School 9	Student 9	Student 10	Student 11
11	A10	Country 10	School 10	Student 10	Student 11	Student 12
12	A11	Country 11	School 11	Student 11	Student 12	Student 13
13	A12	Country 12	School 12	Student 12	Student 13	Student 14
14	A13	Country 13	School 13	Student 13	Student 14	Student 15
15	A14	Country 14	School 14	Student 14	Student 15	Student 16
16	A15	Country 15	School 15	Student 15	Student 16	Student 17
17	A16	Country 16	School 16	Student 16	Student 17	Student 18
18	A17	Country 17	School 17	Student 17	Student 18	Student 19
19	A18	Country 18	School 18	Student 18	Student 19	Student 20
20	A19	Country 19	School 19	Student 19	Student 20	Student 21
21	A20	Country 20	School 20	Student 20	Student 21	Student 22
22	A21	Country 21	School 21	Student 21	Student 22	Student 23

Note: Start to fill up from Cell **A2**.

You can rename Team ID to the Team ID allocation that you set.

1.2 Delete the rows that are not in use.



Warning: Do not insert additional rows and columns. By default, the Robothon Excel Scoring have 250 teams available. It is recommended to use different workbook files for every category.

### 2 INSERT ROUND SCORE

Use ‘Round 1’ and ‘Round 2’ spreadsheet to fill in each team’s score using the Robothon Judges’ Scoresheet. Delete the Team Rows that is not needed before starting to insert score. Examples are provided in every image below.

### 2.1 Apple Farm

Robothon Scoresheet		Robothon Excel Scoring	
EV3 <input type="checkbox"/> App <input checked="" type="checkbox"/> Vet <input type="checkbox"/> Exp		A	B
VEX <input type="checkbox"/> Low E <input type="checkbox"/> High E <input type="checkbox"/> Low S <input type="checkbox"/> High S		1	
TEAM	ROUND	2	
A1	1	3	Team ID Apple Farm Service Center
Apple Farm <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		4	A1
		5	A2
		6	A3
		7	A4
		8	A5

### 2.2 Service Center

Robothon Scoresheet		Robothon Excel Scoring	
EV3 <input type="checkbox"/> App <input checked="" type="checkbox"/> Vet <input type="checkbox"/> Exp		Team ID	Apple Farm
VEX <input type="checkbox"/> Low E <input type="checkbox"/> High E <input type="checkbox"/> Low S <input type="checkbox"/> High S		A1	2
TEAM	ROUND	A2	
A1	1	A3	
Apple Farm <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
Service Center <input checked="" type="checkbox"/>			

### 2.3 Seeding Chamber

Robothon Scoresheet		Robothon Excel Scoring	
EV3 <input type="checkbox"/> App <input checked="" type="checkbox"/> Vet <input type="checkbox"/> Exp		A	B
VEX <input type="checkbox"/> Low E <input type="checkbox"/> High E <input type="checkbox"/> Low S <input type="checkbox"/> High S		C	D
TEAM	ROUND	E	
A1	1	1	Missior
Apple Farm <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		2	
Service Center <input checked="" type="checkbox"/>		3	Team ID Apple Farm Service Center Seeding Chamber Fru
Seeds <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		4	A1
Seeding Chamber		5	A2
Hole 1	Hole 2	Hole 3	Hole 4
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input checked="" type="checkbox"/> x x x x	x x x x	x x x x	x x x x

Note: In the Robothon Excel Scoring – Seeding Chamber field, input only the number of successfully delivered seeds.

### 2.4 Payload A and B

Robothon Scoresheet		Robothon Excel Scoring	
Seeding Chamber		A	B
Hole 1	Hole 2	C	D
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	E	F
<input checked="" type="checkbox"/> x x x x	x x x x	G	H
Record		1	Missions
Seeding Chamber		2	Payload A Payload B
Hole 1	Hole 2	3	Fruit Hay Bale Fruit Hay Bale
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	4	A1
<input checked="" type="checkbox"/> x x x x	x x x x	5	A2
Payload A	Payload B	6	A3
Fruit	Hay Bale	7	A4
<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	8	A5

### 2.5 Silo

Robothon Scoresheet				Robothon Excel Scoring			
Record	Total Silo		Hay Bale		Silo		
	Fruit		Fruit		Hay Bale		
	Silo A		Silo B				
	Fruit	Hay Bale	Fruit	Hay Bale	Fruit	Hay Bale	Time
	□ □ □	■ □ □	□ □ □	■ □ □	0	3	
	Signature		Time				
	AMM		1:42:38				
	Remarks						

### 2.6 Time

Robothon Scoresheet				Robothon Excel Scoring			
Record	Total Silo		Hay Bale		Silo		
	Fruit		Fruit		Hay Bale		
	Silo A		Silo B				
	Fruit	Hay Bale	Fruit	Hay Bale	Fruit	Hay Bale	Time
	□ □ □	■ □ □	□ □ □	■ □ □	0	3	1:42:38
	Signature		Time				
	AMM		1:42:38				
	Remarks						

The time can be inserted as '1:42:38'.

### 2.7 Full Excel Scoring Example and Robothon Scoresheet

EV3	<input type="checkbox"/> App	<input checked="" type="checkbox"/> Vet	<input type="checkbox"/> Exp	
VEX	<input type="checkbox"/> Low E	<input type="checkbox"/> High E	<input type="checkbox"/> Low S	
	<input type="checkbox"/> High S			
TEAM		ROUND		
A1		1		
Apple Farm		■ ■ □ □		
Service Center		■		
Seeds		■ ■ ■ □		
Record	Seeding Chamber			
	Hole 1	Hole 2	Hole 3	Hole 4
	□ □ □ □	■ ■ □ □	■ □ □ □	□ □ □ □
	(X)X X X	X X X X	X X X X	X X X X
	Payload A		Payload B	
	Fruit	Hay Bale	Fruit	Hay Bale
	■ □	■ ■ □	■ □	■ □ □
	Total Silo		Hay Bale	
	Fruit		Fruit	
	□ □ □		□ □ □ □	
Record	Silo A		Silo B	
	Fruit	Hay Bale	Fruit	Hay Bale
	□ □ □	■ □ □	□ □ □	■ ■ □
	Signature		Time	
	AMM		1:42:38	
	Remarks			

	A	B	C	D	E	F	G	H	I	J	K
1	Missions										
2	Payload A		Payload B		Silo						
3	Team ID	Apple Farm	Service Center	Seeding Chamber	Fruit	Hay Bale	Fruit	Hay Bale	Fruit	Hay Bale	Time
4	A1	2	1	3	1	2	1	1	0	3	1:42:38
5	A2										
6	A3										
7	A4										
8	A5										

### 3 COLOR CODE SCENARIOS

- a. You start by entering score for the Payload A and then Payload B. If the number of fruits on Payload A and B is equal to four (4), then you will see an **orange** colored cell on Silo – fruit field (see Color Code Scenario Image 1). This is a **warning** notification which means that the fruit delivered on the Silo must not exceed zero (0) because the competition only have 4 fruits to deliver. Same with Hay Bale, when Payload A and Payload B has 3 each already, the Silo Hay Bale cell will be **orange** due to there is only 6 Hay Bale to be delivered (see Color Code Scenario Image 3).

Payload A		Payload B		Silo	
Fruit	Hay Bale	Fruit	Hay Bale	Fruit	Hay Bale
2		2		0	

Color Code Scenario Image 1

Payload A		Payload B		Silo		
Fruit	Hay Bale	Fruit	Hay Bale	Fruit	Hay Bale	Time
	3		3	0		

Color Code Scenario Image 3

- b. If the number of fruits on Payload A, B and Silo are greater than four (4), then you will see a **red** colored cell on Silo – fruit field (see Color Code Scenario Image 2). This indicates an **error** because there should only be a total of 4 fruits in Payload A, B and Silo. Same if the number of Hay Bales on Payload A, B and Silo are greater than six (6), you will see a **red** colored cell on Silo.

Payload A		Payload B		Silo	
Fruit	Hay Bale	Fruit	Hay Bale	Fruit	Hay Bale
2		2		1	

Color Code Scenario Image 2

Payload A		Payload B		Silo		
Fruit	Hay Bale	Fruit	Hay Bale	Fruit	Hay Bale	Time
	3		3	2		

Color Code Scenario Image 4

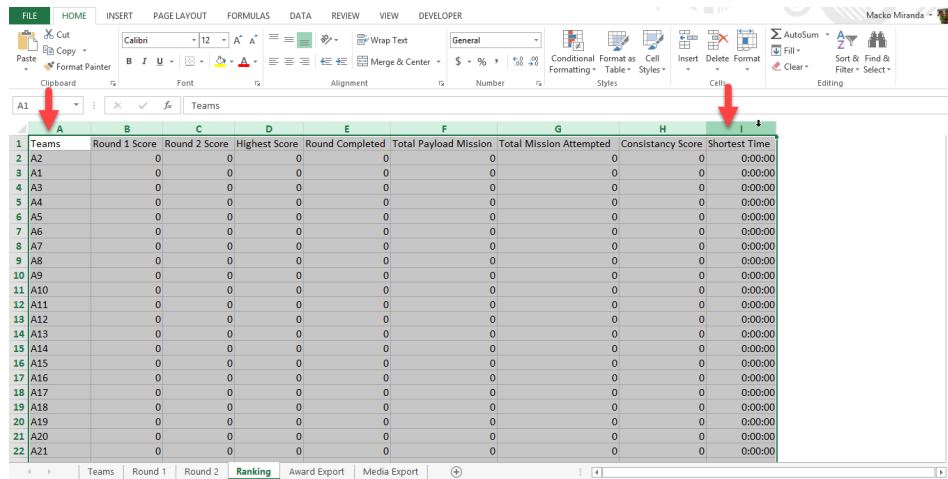
### 4 SORT RESULTS FOR RANKING (NOT AUTOMATIC)

Use '[Ranking](#)' spreadsheet to sort the scores from Highest to Lowest rank. This tab will also display each team's raw score.

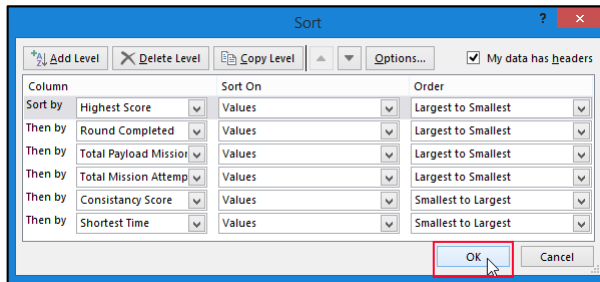
How to sort:

- 4.1 Select **Column Header A to I**

4.2 Click the “Sort & Filter” button from the Home menu.



4.3 Click “OK”.



Warning: Do not re-arrange the sorting and filtering.

## 5 EXPORTING REPORTS FOR MEDIA

‘Media Export’ spreadsheet will display teams from Highest to Lowest rank with the team’s Country, School and Name of Participants. All Teams results will be displayed. No need to sort the data in this spreadsheet. Organisers are required to enter the award names in the awards column in accordance to the results ranking.

Team ID	Country	School	Student1	Student2	Student3	Award
A1	Country 1	School 1	Student 1	Student 2	Student 3	Champion
A2	Country 2	School 2	Student 2	Student 3	Student 4	...
A3	Country 3	School 3	Student 3	Student 4	Student 5	
A4	Country 4	School 4	Student 4	Student 5	Student 6	
A5	Country 5	School 5	Student 5	Student 6	Student 7	
A6	Country 6	School 6	Student 6	Student 7	Student 8	
A7	Country 7	School 7	Student 7	Student 8	Student 9	
A8	Country 8	School 8	Student 8	Student 9	Student 10	
A9	Country 9	School 9	Student 9	Student 10	Student 11	
A10	Country 10	School 10	Student 10	Student 11	Student 12	
A11	Country 11	School 11	Student 11	Student 12	Student 13	
A12	Country 12	School 12	Student 12	Student 13	Student 14	
A13	Country 13	School 13	Student 13	Student 14	Student 15	
A14	Country 14	School 14	Student 14	Student 15	Student 16	
A15	Country 15	School 15	Student 15	Student 16	Student 17	
A16	Country 16	School 16	Student 16	Student 17	Student 18	

This will be suitable for the organizer, VIPs and media reporter to use as a reference.

## 6 EXPORTING REPORT FOR AWARDS

Use 'Award Export' spreadsheet to sort the teams' rank from Lowest to Highest. The champion/rank 1 team will appear at the bottom. You can delete the teams which did not receive any rewards by deleting the whole row.

This will be suitable for the Master for Ceremonies to read during the awards ceremony.

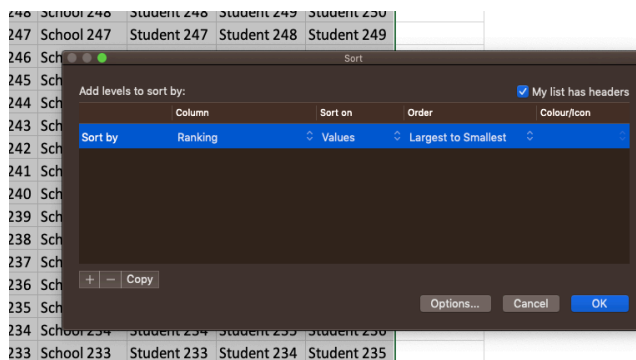
How to sort:

6.1 Select **Column Header A to I**

6.2 Click the "Sort & Filter" button from the Home menu.

A	B	C	D	E	F	G	I
Award	Team ID	Country	School	Student1	Student2	Student3	
0	A250	Country 250	School 250	Student 250	Student 251	Student 252	
0	A249	Country 249	School 249	Student 249	Student 250	Student 251	
0	A248	Country 248	School 248	Student 248	Student 249	Student 250	
0	A247	Country 247	School 247	Student 247	Student 248	Student 249	
0	A246	Country 246	School 246	Student 246	Student 247	Student 248	
0	A245	Country 245	School 245	Student 245	Student 246	Student 247	
0	A244	Country 244	School 244	Student 244	Student 245	Student 246	
0	A243	Country 243	School 243	Student 243	Student 244	Student 245	
0	A242	Country 242	School 242	Student 242	Student 243	Student 244	
0	A241	Country 241	School 241	Student 241	Student 242	Student 243	
0	A240	Country 240	School 240	Student 240	Student 241	Student 242	
0	A239	Country 239	School 239	Student 239	Student 240	Student 241	
0	A238	Country 238	School 238	Student 238	Student 239	Student 240	
0	A237	Country 237	School 237	Student 237	Student 238	Student 239	
0	A236	Country 236	School 236	Student 236	Student 237	Student 238	
0	A235	Country 235	School 235	Student 235	Student 236	Student 237	
0	A234	Country 234	School 234	Student 234	Student 235	Student 236	
0	A233	Country 233	School 233	Student 233	Student 234	Student 235	
0	A232	Country 232	School 232	Student 232	Student 233	Student 234	
0	A231	Country 231	School 231	Student 231	Student 232	Student 233	
0	A230	Country 230	School 230	Student 230	Student 231	Student 232	
0	A229	Country 229	School 229	Student 229	Student 230	Student 231	
0	A228	Country 228	School 228	Student 228	Student 229	Student 230	

6.3 Click "OK".



Warning: Do not re-arrange the sorting and filtering.