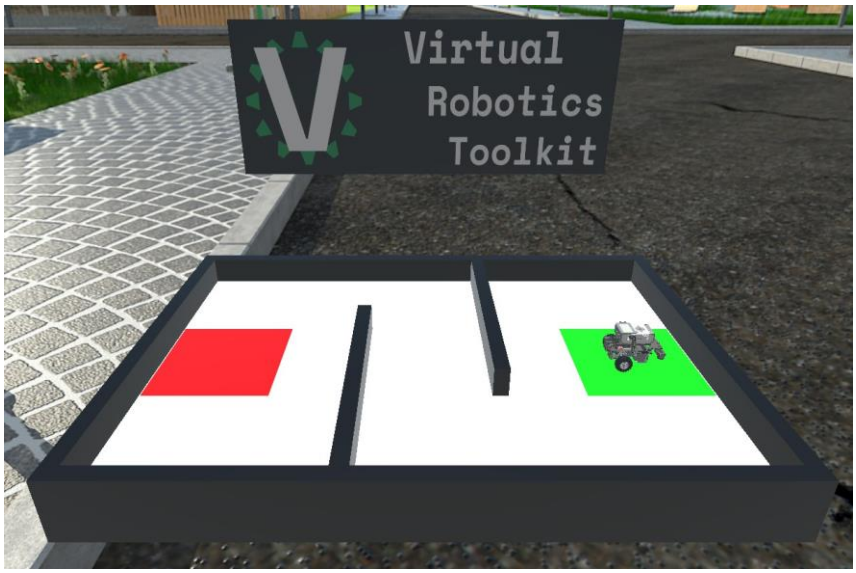
Friendly Challenge 2025
7 to 9 Grade



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General Rules

1. **Individual Competition.**
2. **It is not allowed to make changes in the environment before, after and during the simulation.**
3. When the simulation starts, the competitor can only use the camera's tools and the scoreboard button.
4. All the tasks need to be solved only by using the code created by the participant for the robot.
5. **In case the Judging Team suspects of the score/time of any competitor, they can request a video or a conference to the participant, to prove how their result was gotten according to the rules and requirements allowed. In case the competitor doesn't accept the video, conference or doesn´t prove how the score/time was gotten, the result will be deleted from the ranking.**

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In case of any unforeseen circumstances in which the rules must be altered, the judges will have the final say in the results.

The judges have the utmost authority to amend the rules and regulations.

The judges have the utmost authority to disqualify a result if:

1. Participants pause and resume the simulator in between the code.

2. Participants create any other situations which judges deem unacceptable.

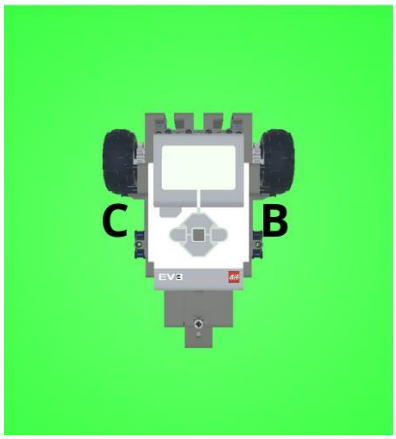
Important Information

Start time to submit results: January 21 at 4:00 pm ET.
End Time to submit results: January 28 at 11:00 pm ET.

Opening Ceremony: January 21 at 3:30 pm ET.
Closing Ceremony: January 29 at 4:30 pm ET.

Robot Ports

***Remember, is not allowed import a new robot.**



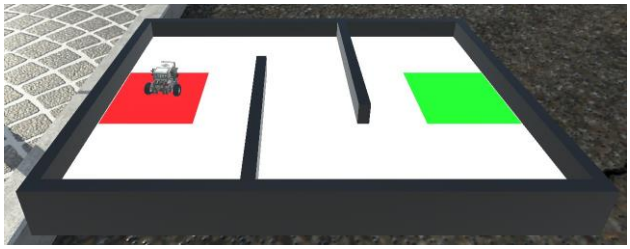
Robot Missions

Make a program to instruct the robot to finish at the red zone.

Video:
https://youtu.be/tyQCctWxBKQ

Score

Recycling Beginner	Each	Total
Crossing the zone	**5**	**20**
Maximum Score		**20**



Do you want to share your solution with us?

The participant can share a video of your robot solution filling the form.

Please be aware of your email.

https://forms.gle/UxCi7txNJBwMjA118

*Please be careful, the form is specific for this category

How to create your video?

You need to record the computer screen using Windows 10 Function, QuickTime player, OBS or other option to record the screen.

Screen record Windows 10

https://youtu.be/mVJsm_000c0

Screen record Mac

https://youtu.be/s9xnsj6ditM

Screen record OBS

https://youtu.be/QKmrDUJFRkM

Install OBS:

https://obsproject.com/

The participant must upload the video on YouTube, Vimeo, Google Drive, etc.

How to upload a video on YouTube?

https://youtu.be/4RZ3FooBKYE

If you upload your video on YouTube, you have to publish it as Public or Unlisted.

Record Details

-On the video, the participant has to show the robot solving all the challenge. If the video starts after the robot begins solving the challenge or cuts the video before the robot finishes the task, the video will not be valid.

-Participants must place their Team name in the virtual brick or in the name of their code.

-The robot and the scoreboard must be visible all the time.

-On the video the participant must use “Top Camera” and “Tether” tracking type.

Top Camera and Tether tracking type

1) Need to open Advanced Mode.

To access "Advanced Mode", all you have to do is press "F12" on your keyboard. Could be:
-F12
-Ctrl+F12

-Fn+F12

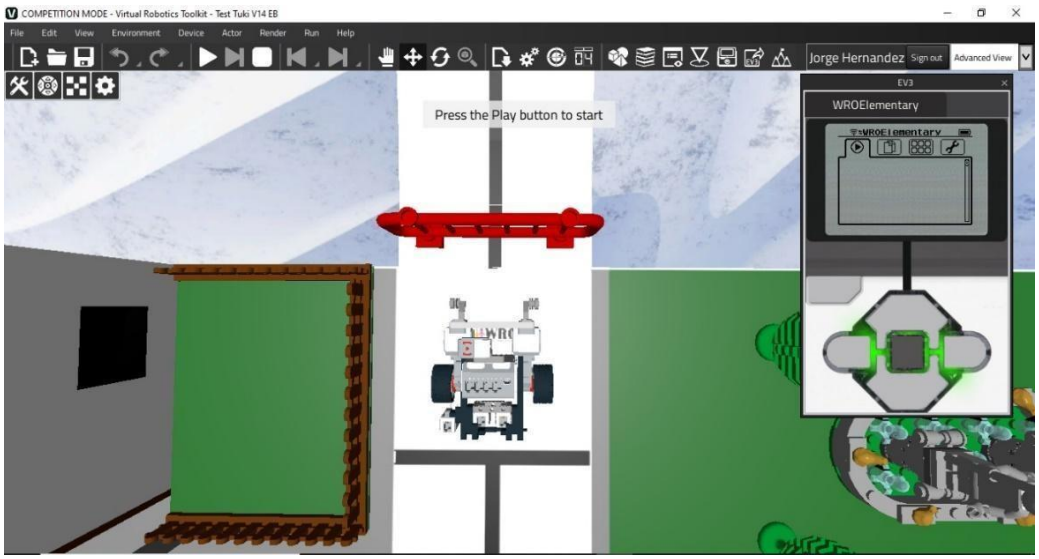
-Alt+F12

-Cmd+F12

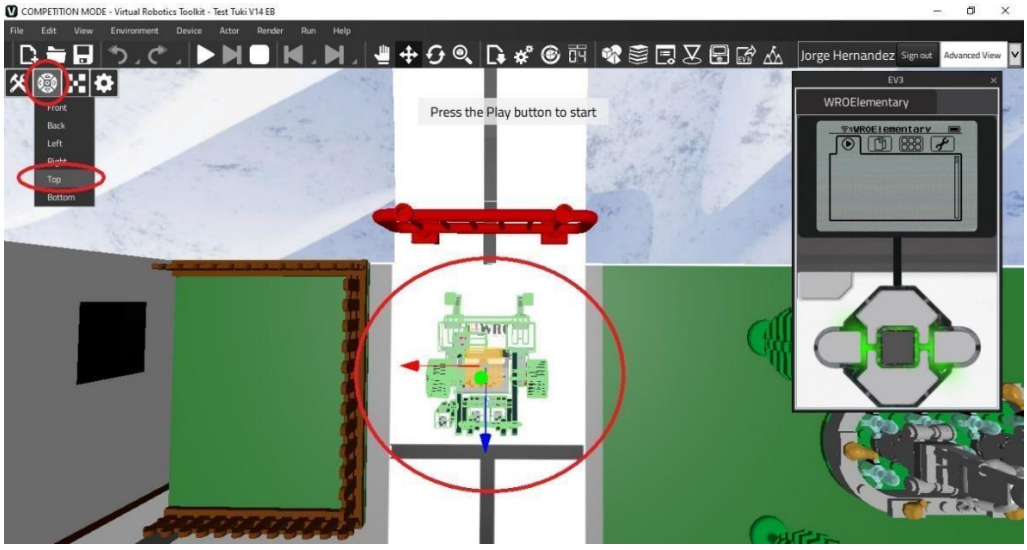
Simple Mode

Advanced Mode

2) Move the Virtual EV3 Brick.

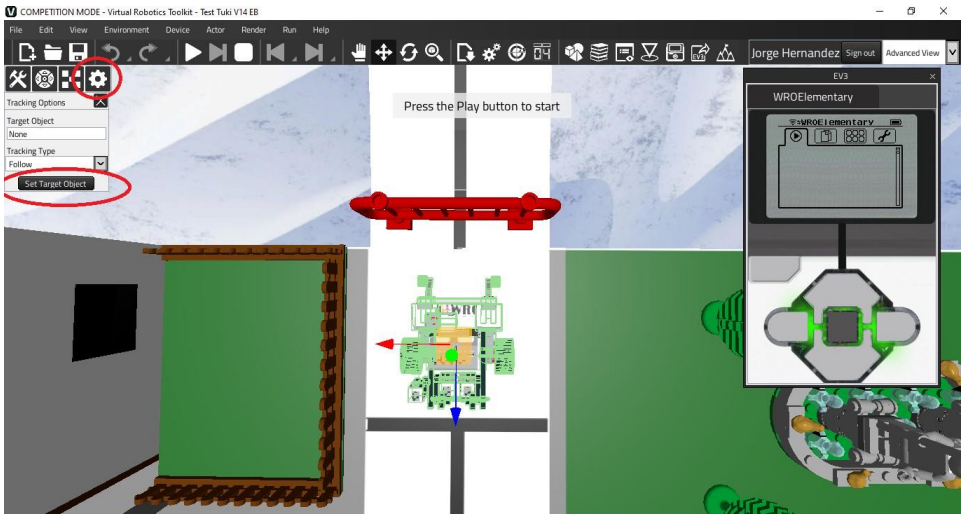


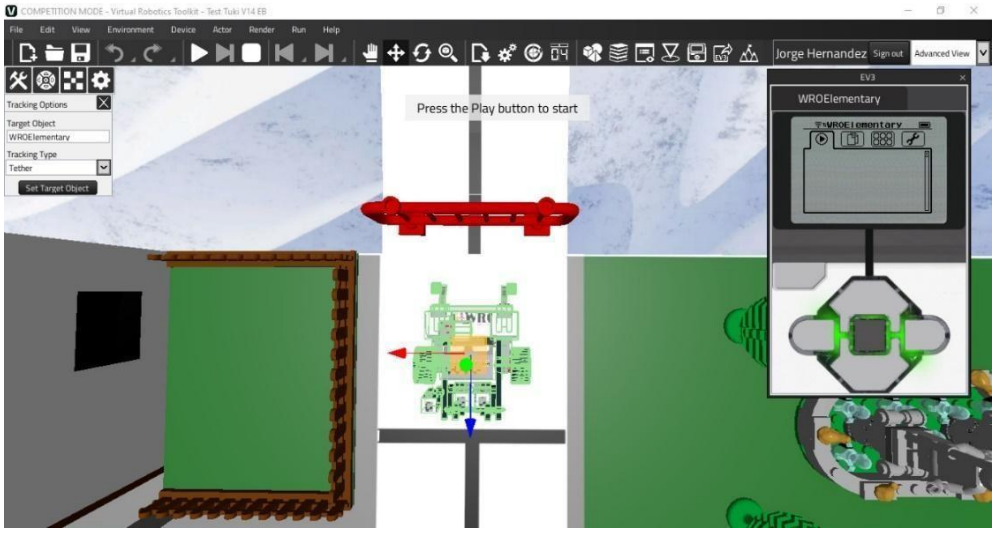
3) Select the robot and use Top Camera.



4) Use “Tether” Tracking type.

The robot must be selected and then click on “Set Target object”.
Change Tracking type to “Tether”.





Top Camera & Tether Tracking type tutorial:

https://youtu.be/hNvJNMnV9dM