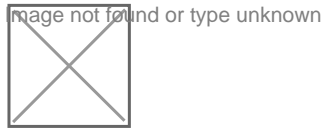


Q&A

Judging



Welcome to the official REC Foundation Question & Answer system for Judging. All registered teams can ask for official Judging interpretations and clarifications. This Q&A is the only source for official Judging clarifications, and the clarifications made here by the REC Foundation Competition Judging Committee (CJC) are considered as official and binding as the written [Guide to Judging](#).

- Please review the [Judging Q&A Usage Guidelines](#) before posting. This Q&A is only intended for specific Judging questions for the VEX IQ Challenge, VEX Robotics Competition, and VEX U Competition.
 - Please review the current season [Guide to Judging](#) before posting.
- For event, registration, or other competition support questions, please contact your REC Foundation Regional Support Manager.
- For questions related to game rules and interpretations, please navigate to the Official Game Q&A ([VRC / IQ](#)) . Click the back button in your browser, then click the VEX Q&A Forum button.

Student Centered Policy in Regards to Understanding Programming

16-Aug-2023

I understand that this question involves rules from the VRC game manual; however, unlike most other rules, judges are the most likely to spot potential G2, G4, and student-centered policy violations. If this should be posted in the over-under Q&A please let me know, and I will post it in there I understand that most of these rulings should be evaluated on a case-by-case basis but I would like to know what the correct response should be for some specific scenarios all of the scenarios listed below take place during a team's interview.

A.

Judge: Can you please explain to me how your team's programming works?

Student: We use the built-in Vex code commands.

Judge: Can you elaborate on how you use this to tell the robot to move around the field?

Student: We put in the dimensions of the robot base and then we can just tell the robot to move a

Judge: Can you explain any of the math or code behind how this works?

Student: No.

B.

Judge: Can you please explain to me how your team's programming works?

Student: We use the built-in PROS (a third-party software) commands.

Judge: Can you elaborate on how you use this to tell the robot to move around the field?

Student: We put in the dimensions of the robot base and then we can just tell the robot to move a

Judge: Can you explain any of the math or code behind how this works?

Student: No.

C.

Judge: Can you please explain to me how your team's programming works?

Student: We use a PID control loop to tell our robot how far to travel This allows the robot to s

Judge: Can you elaborate on the process of how you tuned your PID constants?

Student: We just changed the numbers until it worked.

D.

Judge: Can you please explain to me how your team's programming works?

Student: We use a PID control loop to tell our robot how far to travel This allows the robot to s

Judge: Can you explain what the D term is and how it affects robot movement?

Student: The D term makes the robot have smoother acceleration. Bigger D values result in smoothe

Additionally, I have a couple of questions Beyond these scenarios about the student-centered policy.

1. Does the team's performance affect the ruling? If a team with poor understanding of their code is winning the autonomous coding Challenge and getting AWP in every qual match then would they be more likely to receive an action such as being disqualified from the event and/or skills during the event than a team who isn't doing well in these areas with a similarly poor explanation of their code
2. The student centered policy mentions additional scrutiny at worlds qualifying events. Are there scenarios that would not result in Code of Conduct violations at a local tournament but would at an Event Regional Championship?

Answered by Competition Judging Committee

Code of Conduct / Student Centered investigations do not fall under the scope of this Q&A.

The [Event Code of Conduct Process](#) should be followed in the case of any potential violations.