

Judging VRC and VEX IQ Challenge Events

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Documents

- All judging documents available on:
 - <http://www.roboticseducation.org/vex-robotics-competitionvrc/game-day-running-an-event/>
 - <http://www.roboticseducation.org/vex-iq-challenge/viq-event-documents/>
- Judges Guide
- Awards Appendix: Description of each award
- Award Scripts: For award presentations
- Award Descriptions: For judges room

Training Calls

- Call this number to join: (855) 212-0212, the access code is 878 304 944.
- If you have specific topics or questions that you want addressed, please send an email

Judge Advisor

- Each event should have one
- Judging expert for event
- Recruits judges
- Trains judges

Judge Advisor

- Makes sure interviews happen
- Guides judges to consensus
- Get award scripts filled out with team information
- Gives EP list of awards to post on RobotEvents

Judge Guides Contain

- List of judging materials
- Suggested questions
 - Students sometimes shy
 - Used to initiate two way dialogue
 - Avoids “Yes” and “No” answers
 - Helps standardize judging
- Use of Rubrics
 - Design Award
 - STEM Research Project Award (VEX IQ only)

VRC Standard Trophy Pack

The Standard Trophy Pack

- (4) 12" Trophies
- (3) 10" Trophies
- Award Plates Included:
 - (1) Excellence
 - (3) Tournament Champion
 - (1) Design Award
 - (1) Judges Award
 - (1) Sportsmanship
 - (1) Volunteer of the Year

VRC Judge Expansion Bundle

The Judge Expansion Pack

- (6) 10" Trophies
- Award Plates Included:
 - (1) Amaze Award
 - (1) Build Award
 - (1) Create Award
 - (1) Energy Award
 - (1) Innovate Award
 - (1) Think Award

VRC Robot Expansion Bundle

The Robot Expansion Pack

- (5) 10" Trophies
- Award Plates Included:
 - (3) Tournament Finalists
 - (1) Programming Skills Champion
 - (1) Robot Skills Champion

VEX IQ Standard Trophy Pack

The Standard Trophy Pack

- (5) Large Trophies
- (2) Small Trophies
- Award Plates Included:
 - (1) Excellence
 - (2) Teamwork Champion
 - (1) Design Award
 - (1) STEM Research Project Award
 - (1) Programming Skills Champion
 - (1) Robot Skills Champion

The Excellence Award

- This is the highest award presented in the VEX Robotics Programs. The recipient of this award is a team that exemplifies overall excellence in building a high quality robotics **program**. This team excels in many areas and is a shining example of dedication, devotion, hard work and teamwork.
- For large events, use calculator as a guide
 - Then apply judgment
- For small events, use judgment

The Excellence Calculator (VRC Version)

Team #	QR Ranking (1) ONE point possible	PS Ranking (2) ONE point possible	RS Ranking (3) ONE point possible	Judge Ranking (4) UP TO FOUR points possible	Tie-Breaker (5) ONE point possible	TOTAL
101	1	1	0	3	0	5
202	0	1	1	0	0	2
303	0	0	0	1	0	1
404	1	1	1	4	0	7
505	1	1	1	2	0	5

(1) A **QR Ranking** Point is earned for finishing in the top 8 of the qualifying matches (**one** point available)

(2) A **PS Ranking** Point is earned for finishing in the top 10 of the Programming Skills contest. Events with less than 15 teams participating in the programming skills challenge should only award a PS Ranking point to teams finishing in the top 5 of the Programming Skills contest. (**one** point available)

(3) A **RS Ranking** Point is earned for finishing in the top 10 of the Robot Skills contest. Events with less than 15 teams participating in the programming skills challenge should only award a RS Ranking point to teams finishing in the top 5 of the Robot Skills contest. (**one** point available)

(4) **Judge Ranking** points are awarded for every judged award for which a team is a finalist (up to 4 points available, one point is given for each judged award for which a team is a considered a finalist)

(5) All **ties** in the Excellence Award calculator may be broken by awarding the higher ranked team in the qualifying matches one additional point.

Excellence at World Championship

- VRC Eligibility- Teams must have
 - Won Excellence award during competition season
 - Submit two different online challenges
 - Submit an Engineering Notebook
- At the 2016 VEX Robotics Competition World Championship The Excellence Award will be awarded to:
 - VRC High School overall
 - VRC Middle School overall
 - VEX IQ Middle School overall
 - VEX IQ Elementary School overall
- The Excellence Award is earned by an entire club at Worlds, not just a single team. Each qualified club will be given a single Excellence Award Interview Slot.
- Previous World Excellence winners are not considered

VRC Excellence Calculation at Worlds

- 1 point for submitting an online challenge (2 points total)
- 1 point for scheduling and attending a Design Award interview
- 1 point for every Judged Award the team is listed as a top candidate for consideration by the Judges
- Excellence Interview Score (3 points available)
- A **PS Ranking** Point is earned for finishing in the top 25 of the Programming Skills contest (one point available)
- A **RS Ranking** Point is earned by finishing in the top 25 of the Robot Skills contest (one point available)
- 2 **QR Ranking** points will be awarded to teams finishing in the top 8 of the qualifying matches.
- 1 **QR Ranking** point will be awarded to teams finishing in the 9th through 16th place in qualifying matches.

Design Award

- Engineering notebook required
 - Evidence of a design process
 - Documentation of project management
 - Required at worlds for Design and Excellence
 - Teaches communication
 - Teaches students to organize their thoughts
- New VRC Design Rubric this year

VRC Design and VEX IQ STEM Research Project Awards at Worlds

- VRC Design Award Eligibility
 - Teams must have been awarded The Design or Excellence award during competition season
- VEX IQ STEM Research Project Eligibility
 - Teams must have been awarded the STEM Research Project or Excellence award during competition season

Conflict of interest

- Team affiliations of judges must be told to Judge advisor
- Recuse from deliberations regarding their own team(s)
- Does not exclude a judge
- Team giveaways