

Robo-Art: VEX VR Challenge


Level I: Maximum Age 12 (date of competition: August 20th)

Level II: Maximum Age 15 (date of competition: August 21st)

General Description:

The objective of this competition is to program a Robot to draw a particular shape or design on the Art Canvas playground of the VEX VR programming environment found at vr.vex.com.

KIRC Robo-Art Challenge



The image consists of three vertical rectangular boxes. The first box is light blue and contains the number '12' in large white font, with the text 'максимальный возраст Level 1' below it. The second box is orange and contains the number '15' in large white font, with the text 'максимальный возраст Level 2' below it. The third box is yellow and contains the number '1' in large black font, with the text 'только 1 участник в команде' below it.

Competition Procedure:

The shape(s) or design(s), with specific technical requirements, will be sent to registered participants at 9:30 am on the morning of the competition. Teams will have up to an hour and a half (11 am) to complete the task; the winner is the first to submit a program meeting all specified requirements.

Important Details about Participants:

1. Registration at kirc.kz is open to participants from any country; deadline 11:59 pm on August 17th.
2. This is an individual competition, teams consist of 1 person only.
3. Competition is held at 2 levels: Level I - maximum age 12; Level II - maximum age 15.
4. Students should do the work alone without assistance.
5. Organizers reserve the right to speak to the winner to confirm that he/she is of the appropriate age and that he/she is the one who wrote the program.

Advice:

1. Make sure to be familiar with downloading the file in .vrblocks and sending via WhatsApp/email.
2. Be familiar with pen functions – moving pen up / down and changing colours of the pen.

3. Shapes may contain curves or circles. Practice making such shapes.
4. Level I advice: practice drawing letters, for example 'I', 'R', 'A'.
 5. Level II advice: review Geometric properties and be able to draw repeated Geometric shapes.