VEX Poster: “Craft, Code, Conquer: VEX Robotics Adventure!”

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Craft, Code, Conquer: VEX Robotics Adventure!

Close your eyes. Imagine a universe where gears whisper symphonies of invention, and circuits crackle with the energy of boundless imagination. Picture nimble robots dancing across obstacle courses, defying gravity and logic in their tireless pursuit of victory. Welcome to the thrilling, boundless cosmos of the VEX Robotics Competitions, where minds younger than yours are already charting the course for a future, built on innovation. This is not just a world of wires and code, of circuits and algorithms. It's a vibrant ecosystem where engineers, artists, strategists, and designers join forces to push the boundaries of what's possible. Here, when creativity clicks, robots rise and possibilities abound. Intending to create a guide to VEX robotics, we decided to make the poster using Canvas, a simple yet effective tool to make this happen.

To begin, we decided to use a photo that we took from the 2022-2023 VEX IQ Robotics World Championship. After finalizing one from the many different photos, we decided to choose the one that represents the competition portion of VEX. Then, we pondered on what VEX truly offers. We knew that the competition and the rush of adrenaline is a great part of VEX, but they also teach students to construct complicated robots that are designed to function in a variety of ways, while improvising to the game’s demands, as well as successfully coding the robot to not only be able to drive using a controller but to also

autonomously score as many points as possible. After much brainstorming, we decided to jot these three components down on the poster. For the finishing touches, we included photos that clearly represent these ideas and also included the VEX Robotics Competition logo at the top right corner. Lastly, we also included that there is more information at Vex.com since we could not cover all of the information in the poster.

Since the first poster was only a prototype, we had to make changes. After carefully analyzing our poster, we realized that VEX Robotics wasn't all about competing and beating other teams, but also about the friends you make along the way and working together. So, we decided to write this down, about the communication skills learned while competing against either your friends or soon-to-be friend. We also found a great image to go along with the message trying to be delivered.

Since we thought we could greatly improve our poster, we decided to add a few visual pleasures. For example, on the bottom left and the top right corners, we added a bright pink splatter that matched the aesthetic of the entire poster. It went well with the color of the background, so we also added pink, of the same shade, gradients around the text, to emphasize the areas of importance. Lastly, we added a QR code that easily allows the reader to access Vex.com without a struggle.

Prototype 1:


VEX
ROBOTICS
COMPETITION
TEAMS DESIGN ROBOTS AS AN ANSWER TO AN ANNUAL CHALLENGE GIVEN BY VEX ROBOTICS. TEAMS JOURNAL THEIR PROGRESS IN THEIR ENGINEERING NOTEBOOKS.
TEAMS WRITE CODE, INTEGRATE SENSORS, REFINE STRATEGIES, AND ADHERE TO RULES FOR THEIR ROBOTS TO SUCCESSFULLY SCORE AS MANY POINTS AS POSSIBLE.
TEAMS ARE ASSIGNED ALLIANCES AND COMPETE AGAINST OTHER ALLIES TO EARN A WIN. TEAMS CAN ALSO GO SOLO AND MAXIMIZE THEIR SCORE ALONE BY DRIVING AND PROGRAMMING THEIR ROBOT.
NORTHROP GRUMMAN
FOR MORE INFORMATION VISIT VEXROBOTICS.COM

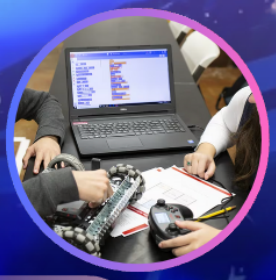
Prototype 2:

Final Product:

VEX ROBOTICS WORLD CHAMPIONSHIP

TEAMS DESIGN ROBOTS AS AN ANSWER TO AN ANNUAL CHALLENGE GIVEN BY VEX ROBOTICS. TEAMS JOURNAL THEIR PROGRESS IN THEIR ENGINEERING NOTEBOOKS.

TEAMS WRITE CODE, INTEGRATE SENSORS, REFINE STRATEGIES, AND ADHERE TO RULES FOR THEIR ROBOTS TO SUCCESSFULLY SCORE AS MANY POINTS AS POSSIBLE.



TEAMS ARE ASSIGNED ALLIANCES AND COMPETE AGAINST OTHER ALLIES TO EARN A WIN. TEAMS CAN ALSO GO SOLO AND MAXIMIZE THEIR SCORE ALONE BY DRIVING AND PROGRAMMING THEIR ROBOT.

TEAMS COLLABORATE AND DEVELOP COMMUNICATION SKILLS WHILE WORKING TOGETHER AGAINST ALLIANCES OR TEAMS.

SCAN ME

FOR MORE INFORMATION VISIT VEXROBOTICS.COM