

Easy Programming With Drones



Zachary Idrees | Vi Nguyen | Phillip | Chenannah Mac-Cephas | Dr.Cindy Robertson | Dr. Anca Doloc-Mihu

WHAT IS TAP?

The Technology Ambassadors Program (TAP) is an outreach focused class offered by GGC where students with a passion for technology create projects that aim to expose the general public to a specific kind of technology in an informative and entertaining manner.

GOALS

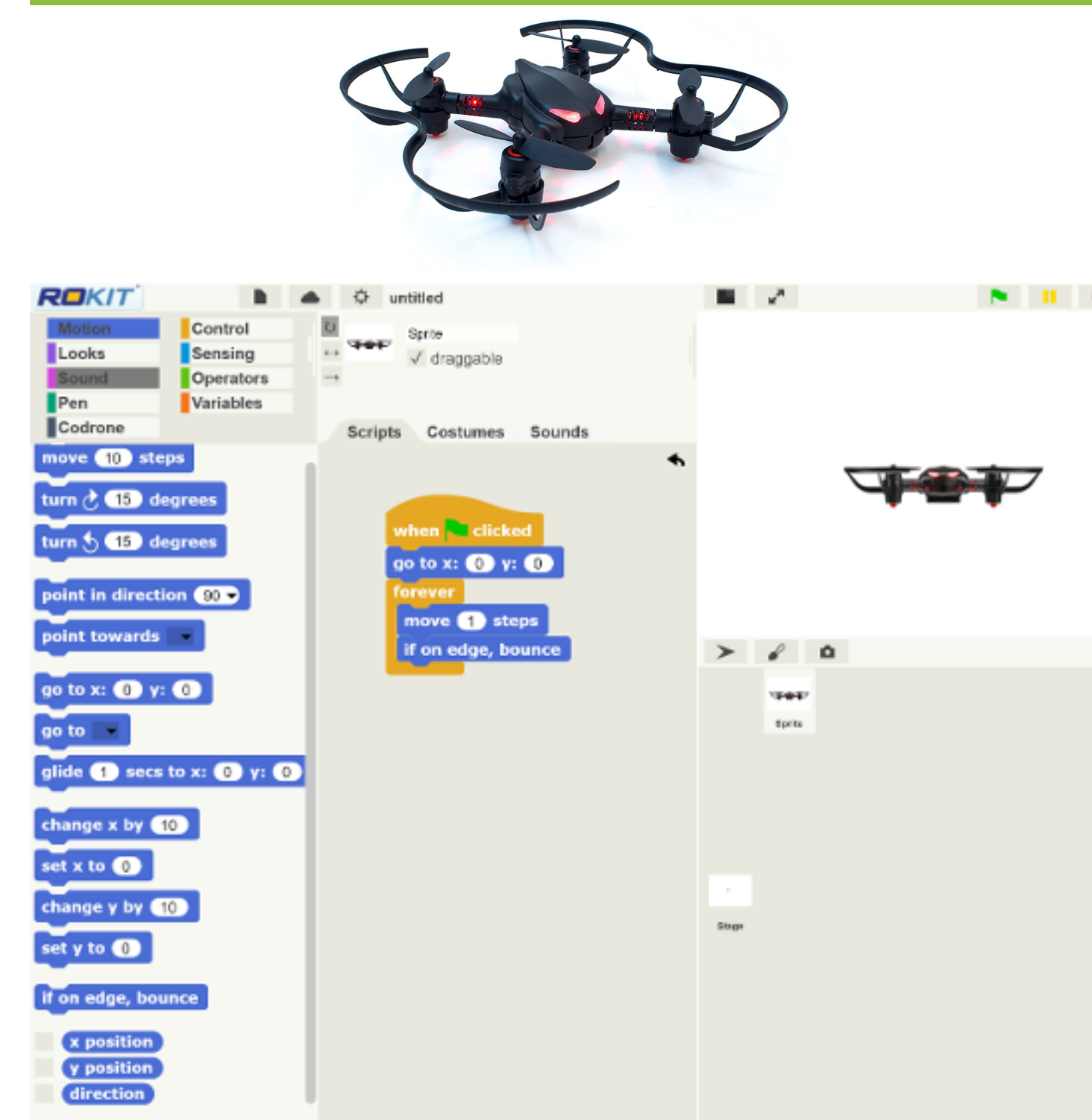
- Demonstrate to our audience that programming can be entertaining
- Encourage children to partake in activities relating to technology
- Promote active learning through outreach with drones

PROJECT DESCRIPTION

- Our audience uses "Snap! for Robolink" to learn block coding. This form of programming allows them to familiarize themselves with if-statements and loops without feeling overwhelmed by the details.
- Originally, our audience would've used Blockly by Robolink to pair to a drone and fly it through hula hoop obstacles while using block-coding.



TECHNOLOGIES

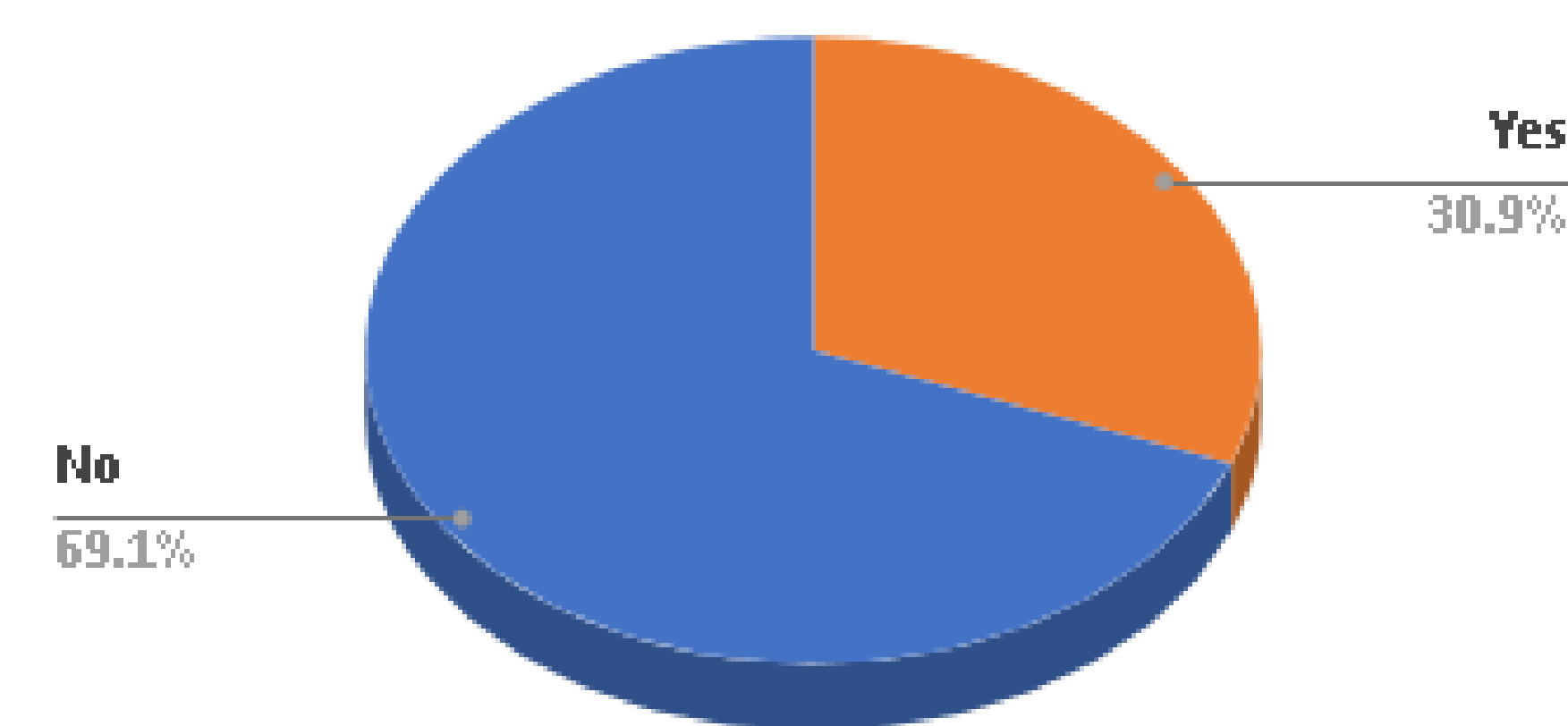


Codrone is a programmable drone by Robolink. It can be programmed in Python, JavaScript, Blockly, Snap!, etc.

Programming languages used are "Blockly for Robolink" and "Snap for Robolink."

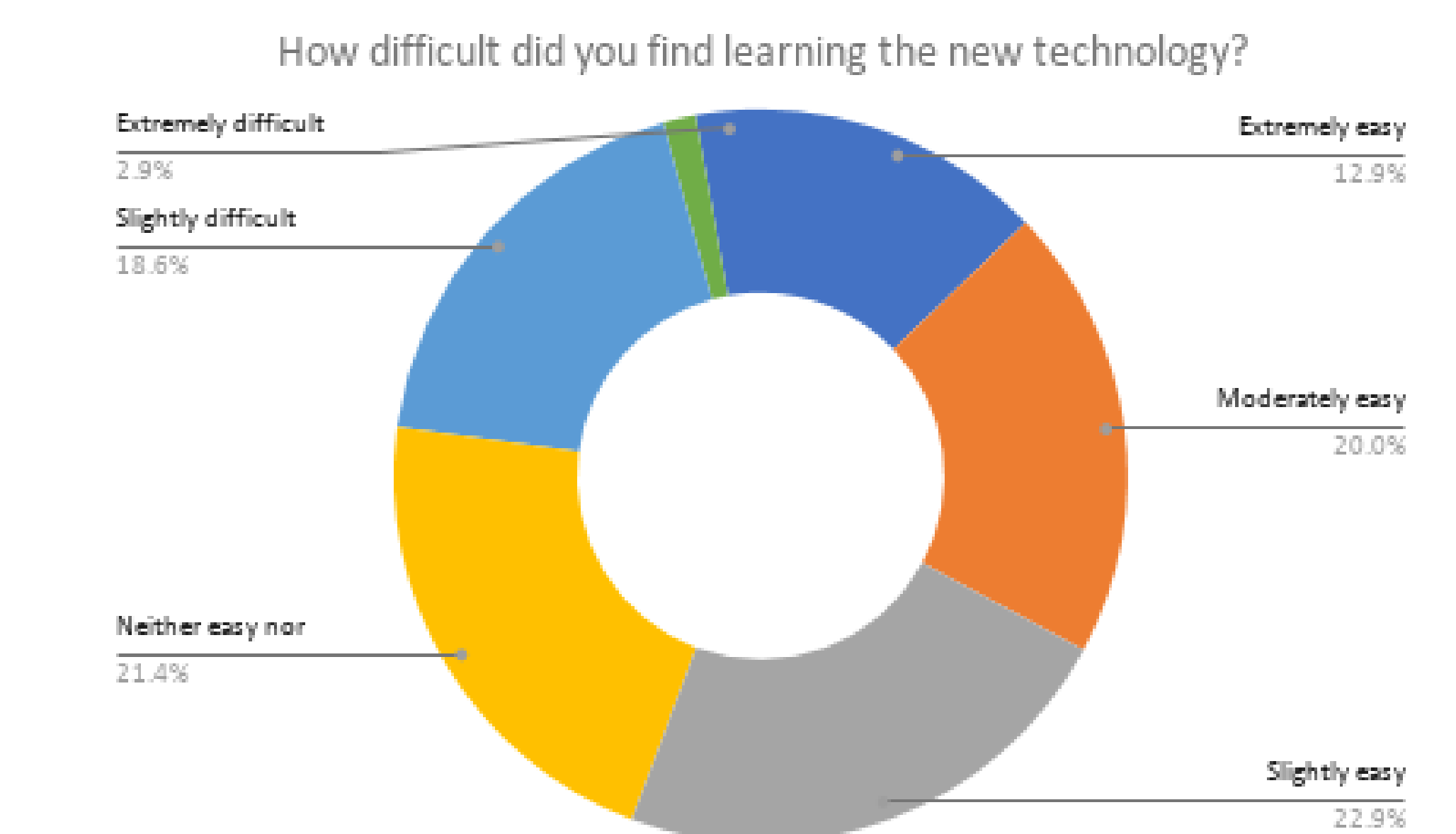
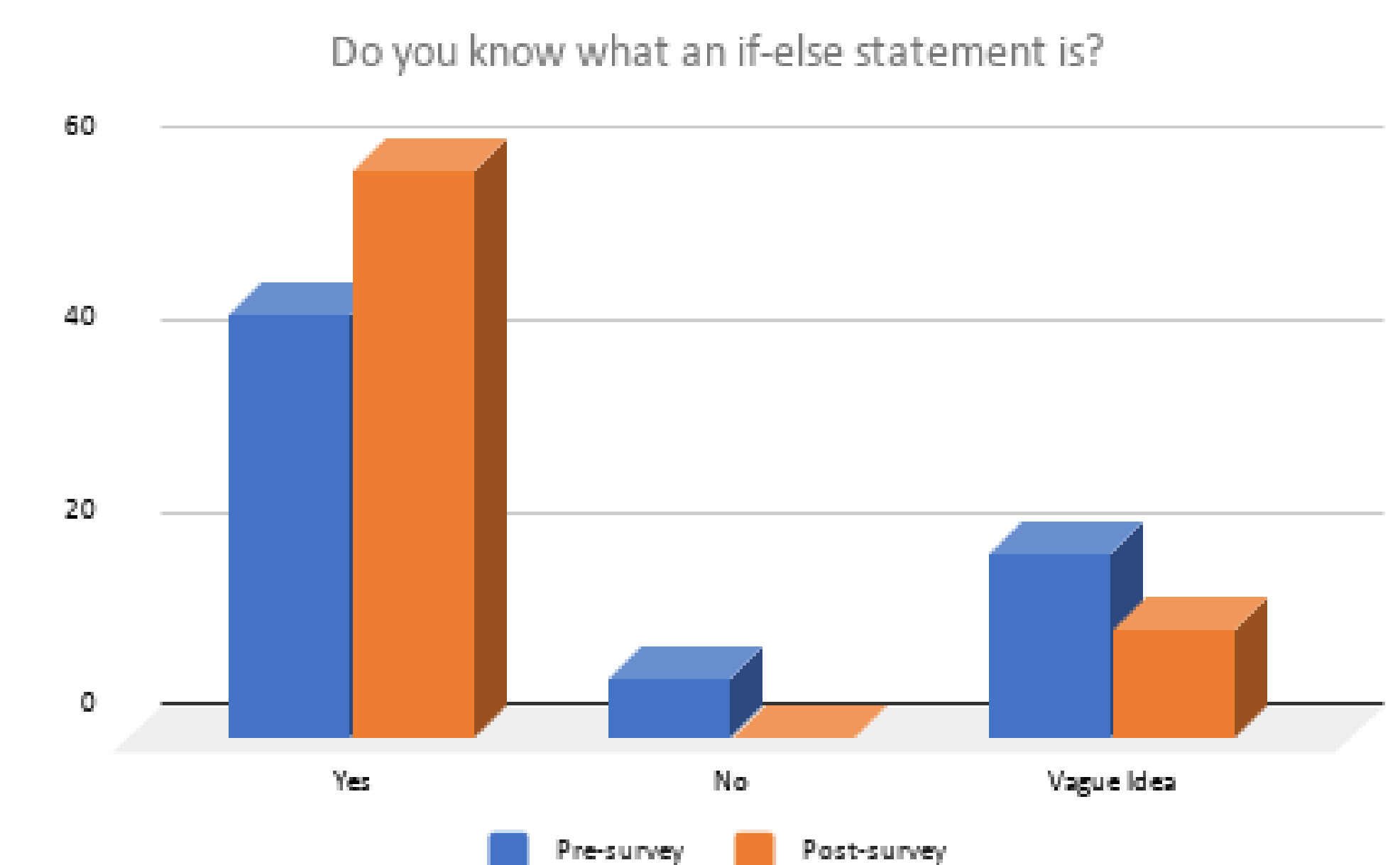
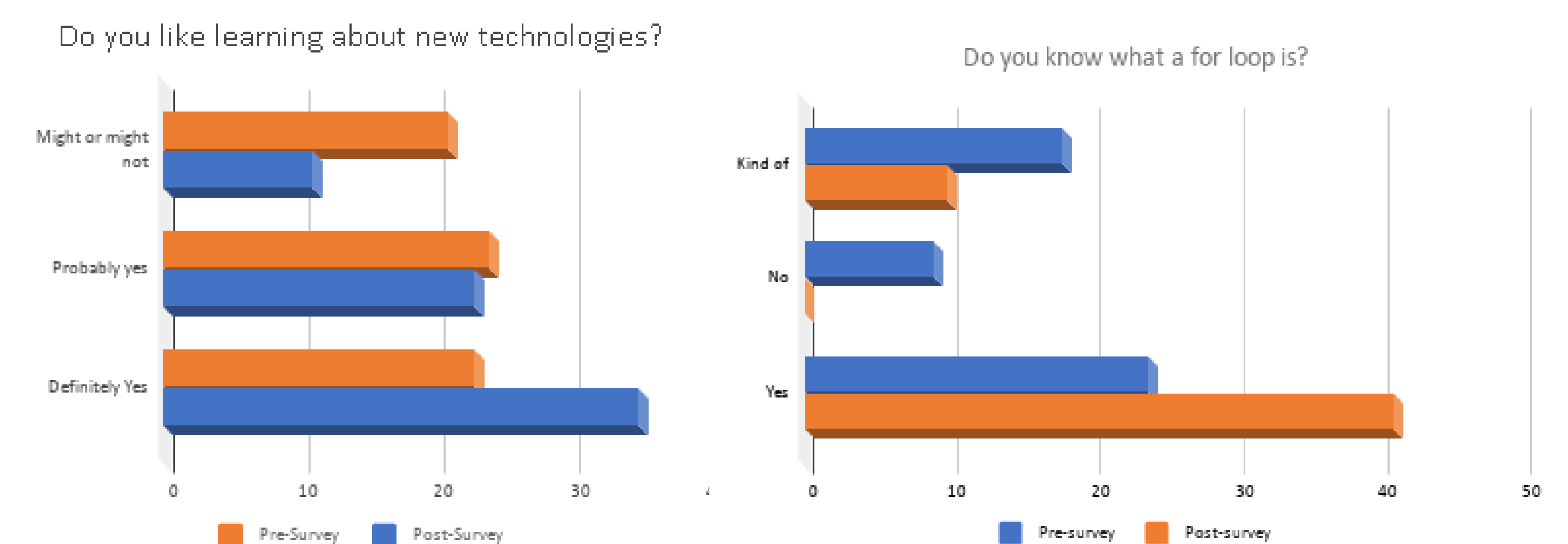
RESULTS

Do you have any programming experience?



Nearly 70% of people demoed had no programming experience. According to our data, originally opinions of learning new technology were nearly the same but after our demo we were able to positively trend opinions.

RESULTS



ACKNOWLEDGMENTS

- We would like to express a special thanks to the STARS Computing Corps, the GGC TAP committee, and the School of Science and Technology.