

MASTERS OF MOBILITY: ROBOTS ON THE ROAD

Presented in support of the Robotics Alliance of Macomb
With the generosity of
Macomb Intermediate School District and Macomb County

The Masters of Mobility: Robots on the Road project offered students the opportunity to build small robotic vehicles, develop, and apply coding skills to simulate real world connected and autonomous vehicle technology and attempt to complete mission challenges in a virtual environment.

IN REVIEW:

100% of respondents described service provided by Square One as Excellent or Very Good

100% of respondents described the content offered as Excellent or Very Good

100% of respondents described the hardware received as Excellent or Very Good

58.3% of students responding feel confident in transferring what they learned to their teammates

91.6% of students responding had fun and saw connections in skills applicable to robotics competitions.

87.5% of students responding said it was great to have something hands on to do!

IN THEIR OWN WORDS: TEACHERS

"The premise of the program, equipment, and support have been great. I'm stretched thin now, but am hoping to participate in MoM program in the future. Thanks again!"

"This is a pretty engaging set of concepts and challenges. I like the automotive connections."

"Awesome and well done. A real good stepping stone and fun challenges. Thank you."

"This was a fun mini-competition that my team enjoyed competing in. The printer and CNC will be put to good use."

IN THEIR OWN WORDS: STUDENTS

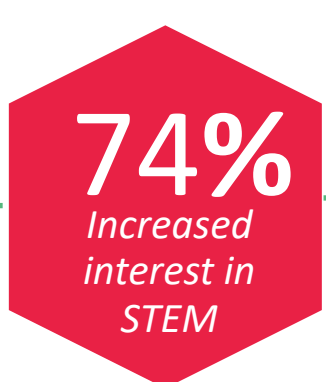
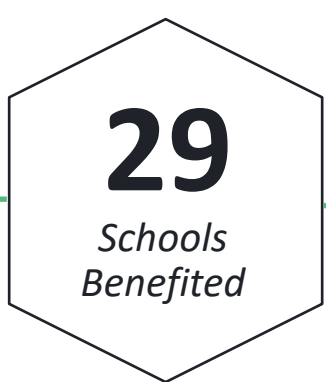
"I really liked what we did for the Masters of Mobility robot on the road project. It was fun and enjoyable, but very different this year."

"It was amazing to have something to do while we were quarantined"

"I would have liked more guidance. Figuring things out...was very frustrating at times."

"Materials provided very interesting to work with. Enjoyed experimenting with a hands-on activity in these hard times."

BY THE NUMBERS:



100%
OF TEACHERS WERE PLEASSED WITH HARDWARE RECEIVED



65% OF STUDENTS EXPRESSED AN INCREASED AWARENESS IN
CONNECTED
& AUTONOMOUS VEHICLE TECHNOLOGY



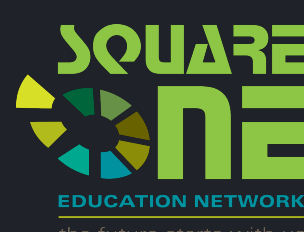
CAREER CONNECTIONS:

Nine top level experts from the manufacturing & mobility industries provided college & career insight for nearly 180 webinar participants.

While schools were in a remote learning environment due to COVID 19, 28 schools received Arduino and/or Micro:Bit based robotic vehicle kits, 3D printers, document cameras, and CNC machines to benefit and grow their team skills for robotics competitions.

Over a compressed timeframe teachers were offered training on each platform and students were offered resources to complete mission challenges in a friendly virtual competition.

#RobotsOnTheRoad



www.squareonenetwork.org