

Individual Project Report

Robotics in the Classroom - Is there a limit to their horizons?

Project Description

1. Describe the project. What was done, when, and where did the project activities take place?



Victoria Independent School District - Smith Elementary School purchased the Lego's Robotics Program; designated a classroom for the Robotic Class to use each week. The Class consisted of about 20-24 4th and 5th graders who were selected by their teachers to participate in the Program. The students met for 2 hours each week to study the curriculum provided by the Lego's Robotic and create various projects.

2. How many people benefited from this project?

The initial 20-24 students for this current year were the first to benefit. The program will continue each school year, and will introduce the program to 10-12 4th graders, and allow all 5th graders in the school to participate. There are approximately 55-65 students in the both the 4th and 5th grade levels.

3. Who were the beneficiaries, how were they impacted by this project, and what humanitarian need was met?

The students are the beneficiaries of the project; The Lego's Robots allowed them to learn a particular lesson, and create a robot to show how the lesson pertained to them. For example, there was a short lesson on race-cars; it explained the gears used to turn the wheels. The students followed along with the lesson to learn how to build a race-car, and then to learn about the different styles of cars. There were two groups to build the cars, and a short race. One of the cars had a minor "steering-problem" and ran off the designated track.

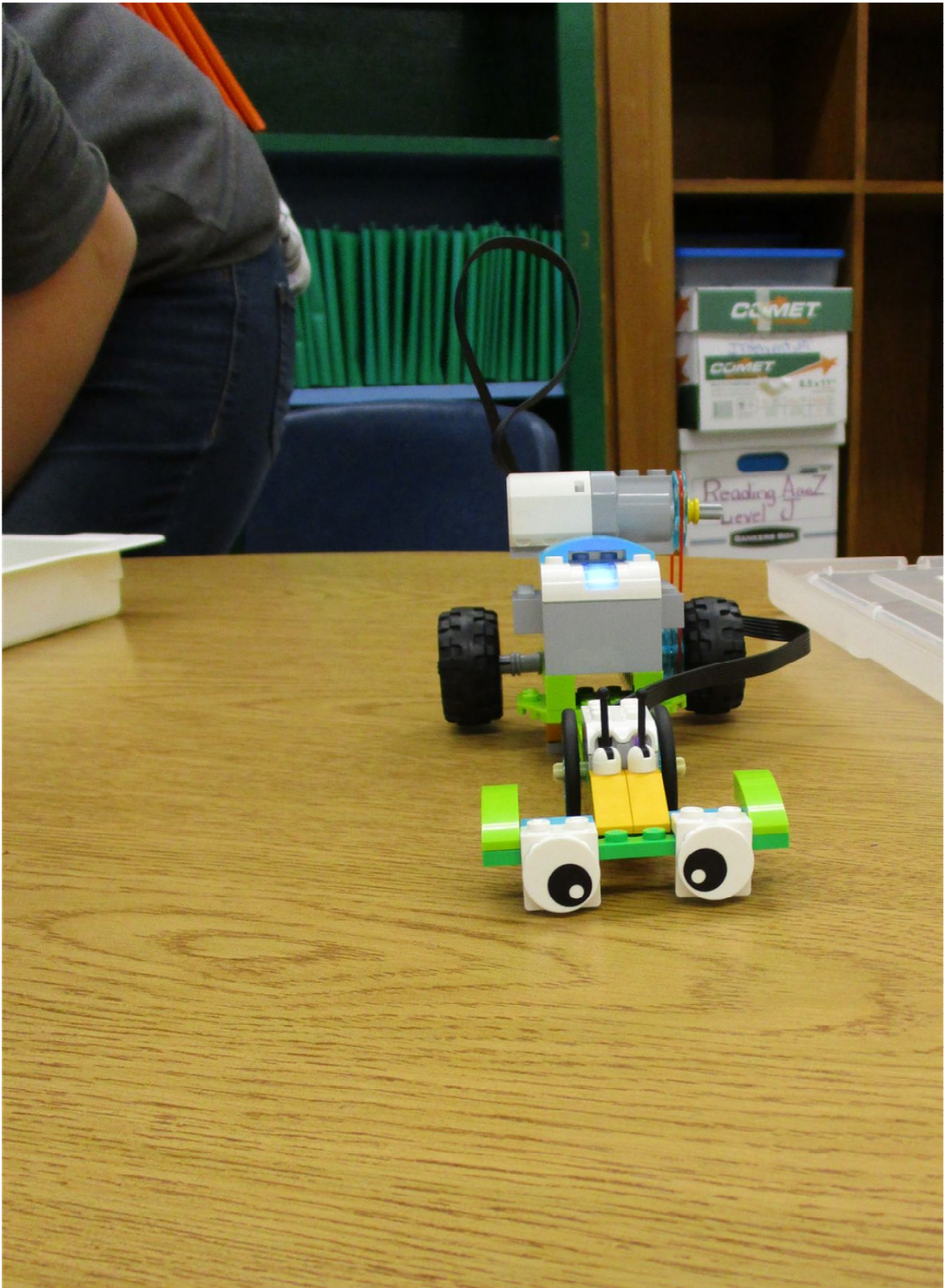
4. How many Rotarians participated in this project? There were about 10 Rotarians who took the time during the year to visit the school and the robotics lab.

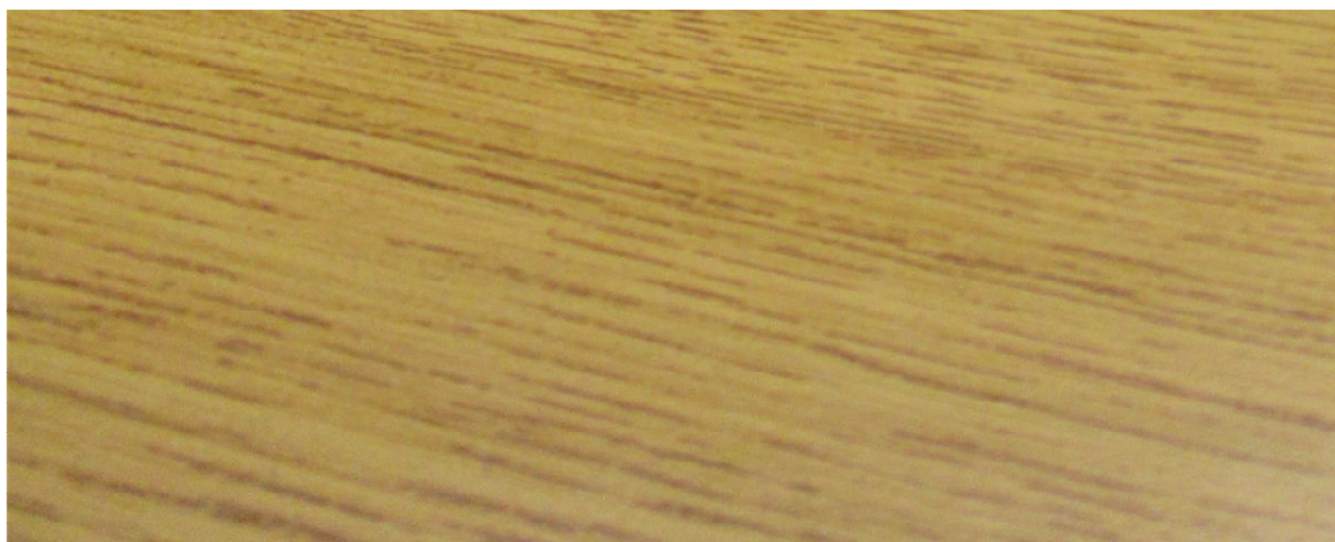
5. What did they do? Please give at least two examples, not including financial support provided to the project.

Several of our Rotarians visited the school and robotics lab during the regular school year. We also met with the principal and teacher to find out what sort of lessons and opportunities the Robots would offer the students; We met the students as well, and were about to speak with most all of them individually about the Robots, and to see how well the students enjoyed the Program. Several of the students said they would like a career with computers and robots; they look forward to what the future and robots may hold.

6. If a cooperating organization was involved, what was its role? No













Financial Report

Date	Description	Funding Source	Amount	%		
Aug 02, 2017	Victoria Downtown	District Grant	\$2,000.00	50.00 %		
Jun 28, 2017	Club Fundraising efforts include annual Club Dinner and annual Club Raffle	Club/Other	\$2,000.00	50.00 %		
Total:			\$4,000.00	100.00 %		
Description	Supplier	Local Amount	Currency	Tax	Total	Amount
The grant application is for \$4000 for the creation of the Laboratory and purchase of the LEGOS WeDo 2.0 & EV3 kits. (NOTE: All other expenses will be covered in the operating costs of the institution, including stationary supplies, facilities, and instruction.)	LEGO Education	\$4,000.00	USD	\$0.00	\$4,000.00	\$4.00
Total:						\$4.00