

# Individual Project Report

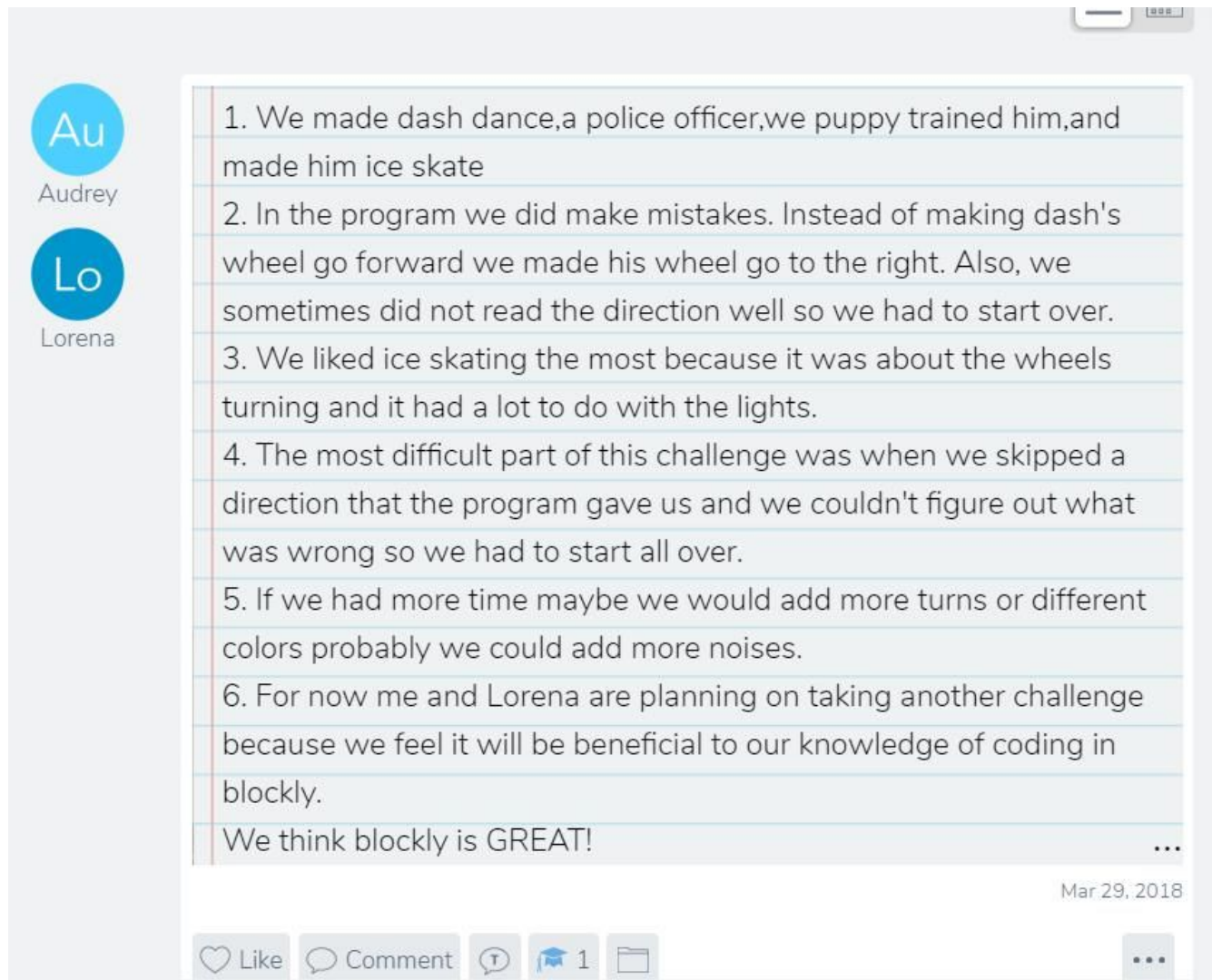
## Is There A Limit To Their Horizons? Robotics in the Classroom

### Project Description

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

Due to Hurricane Harvey, the check was not presented to school until January 2018. I spoke to Jordan Harrison, the instructor. She said that she used funds from another area at the beginning of school so she could do more research to insure she had just what you needed to successfully do this program. She rented robots and got Kindles for the children to work with. She has applied for an additional \$4000 grant from another source to have the funds she needs to be able to successfully do the program for K thru 5 next year. She is graduating with a Masters in Teaching (Robotics) this spring.

2. How many people benefited from this project? Currently there are approximately 20 children in grade 5 who are participating in the robotics club, but next year they will be able to have at least that many in each of the 6 grades. Below are comments from two of the girls working in Jordan's classroom.



The screenshot shows a social media post with two profile pictures: Audrey (Au) and Lorena (Lo). The post contains a list of six numbered comments and a concluding statement. The date is Mar 29, 2018. At the bottom, there are icons for Like, Comment, and a notification bell with the number 1.

**Au**  
Audrey

**Lo**  
Lorena

1. We made dash dance,a police officer,we puppy trained him,and made him ice skate
2. In the program we did make mistakes. Instead of making dash's wheel go forward we made his wheel go to the right. Also, we sometimes did not read the direction well so we had to start over.
3. We liked ice skating the most because it was about the wheels turning and it had a lot to do with the lights.
4. The most difficult part of this challenge was when we skipped a direction that the program gave us and we couldn't figure out what was wrong so we had to start all over.
5. If we had more time maybe we would add more turns or different colors probably we could add more noises.
6. For now me and Lorena are planning on taking another challenge because we feel it will be beneficial to our knowledge of coding in blockly.

We think blockly is GREAT!

Mar 29, 2018

Like Comment 1

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

In Jordan's words:

Creativity and critical thinking are examples of 21st century skills that allow students to stand out in grade school, college, and eventually, the workplace. Coding through robotics will give students the skills they need to become successful students and employees for tomorrow's

workplace. Students will also build confidence as they collaborate with their peers as they compete with participants worldwide in robotics competitions. Students will develop problem-solving and creativity skills while building meaningful relationships with their peers and having fun. Students will display their scientific thinking through authentic journaling using Seesaw. The app makes it easy for beginners to get started, and then scaffolds learning through meaningful curricular and educational programs Supportive of 21st-Century skills

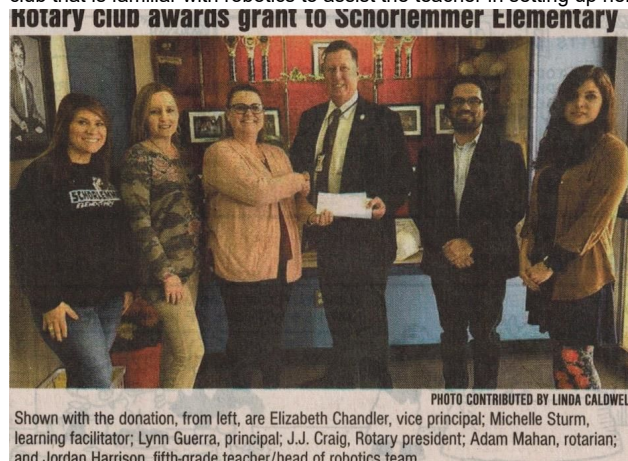
The robotics lab encourages students to continue building critical thinking, creativity, communication, and collaboration skills for tomorrow's job market.

4. How many Rotarians participated in this project?

Currently our Rotary Club is a sponsor of the EAFK program at Schorlemmer and at least two to three Rotarians are there on a monthly basis, although not directly working with the robotics program.

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

Our Rotarians are working within the school to mento and to support character-building programs. We are working to identify a mentor within the club that is familiar with robotics to assist the teacher in setting up her program for the 2017-2018 school year.



6. If a cooperating organization was involved, what was its role?

### Financial Report

Date	Description	Funding Source	Amount	%
Aug 02, 2017	Victoria Rotary	District Grant	\$2,000.00	50.00 %
Jun 29, 2017	Club fundraising efforts from Clay Shoot and other activities.	Club/Other	\$2,000.00	50.00 %
<b>Total:</b>			<b>\$4,000.00</b>	<b>100.00 %</b>

Description	Supplier	Local Amount	Currency	Tax	Total	Amount
District Grant	District Grant	\$2,000.00	USD	\$0.00	\$2,000.00	\$2,000.00
The grant application is for \$4000 for the creation of the laboratory and purchase of the LEGOs WeDo 2.0 and EV3 kits. (NOTE): All other expenses will be covered in the operating costs of the institution including: stationery, supplies, facilities and instruction.	LEGO Education	\$2,000.00	USD	\$0.00	\$2,000.00	\$2,000.00
<b>Total:</b>					<b>\$4,000.00</b>	<b>\$4,000.00</b>