

Individual Project Report

Instructional Materials and Equipment for the Middle School of the Instituto de Ciencia y Tecnologia in Nuevo Laredo, Tamaulipas (Mexico)

Project Description

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

In response to a documented and observed scarcity of materials and equipment in the Science and Computer Laboratories at the Instituto de Ciencia y Tecnologia (ICT) in Nuevo Laredo, Tamaulipas (Mexico), members of The Laredo Rotary Club (TLRC) led a collaborative effort in the spring and summer of 2018 to secure \$10,000 to purchase badly needed resources. These contributions came from Rotary clubs in Laredo and Nuevo Laredo, as well as District 5930. The equipment and materials purchased were selected by ICT Science and Technology Laboratory faculty and administration. In the fall of 2018, these resources were requested, delivered, and installed in the appropriate laboratory. Both laboratories were fully operational by the beginning of the spring 2019 semester.

These developments were complemented by a job-embedded professional development training program conducted in the spring of 2019 by TLRC members who are well-versed in issues involving curriculum, instruction, assessment, and technology across the disciplines. TLRC trainers subsequently observed ICT faculty members using the ideas, materials, and strategies discussed in the professional development sessions with their students. (See attached photos) An examination of work products produced by the students indicated that they were acquiring a sound understanding of the material, concepts, and principles being discussed in class.

ICT administrative staff organized two press conferences – one to announce the awarding of the \$10,000 grant check in the fall 2018 and the other in the spring of 2019 to highlight the grand opening of the Science and Computer Laboratories. Both initiatives were designed to inform the community of these new resources and illustrate how they were being used to enrich the teaching and learning experiences provided to the students attending this school.

2. How many people benefited from this project?

All 160 middle school and high school ICT students, as well as all 12 faculty members and administrators, have profited from this project. In addition, approximately 35 sixth grade students, their parents and teacher, and the campus administrator from Miguel F. Martinez Elementary School (MFMES) (a feeder school to ICT) have been invited to visit ICT this spring 2019 term. The purpose of the visit is for MFMES students to interact with ICT students, teachers, and administrators and become aware of the educational experiences and opportunities, especially in the Science and Technology Laboratories, that ICT can provide.

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

All the students, their teachers, and campus administration have benefited from this project. Teachers and administration now have badly needed resources which they are using to enrich their pedagogical efforts. Additionally, the instructors have developed new ways to enrich their curricular, instructional, and assessment efforts, as well as acquire a better understanding of their students' academic progress and needs. Members of the Laredo Daybreak Rotary Club have also benefited from listening to a presentation on the project from the two

members of the TLRC who are spearheading this effort. The entire project is aimed at helping to meet the students' basic education and literacy needs. (Humanitarian Need: Basic Education & Literacy)

4. How many Rotarians participated in this project?

Five Rotarians participated in this project.

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

All the Rotarians participated in the press conference.

Two members of TLRC designed and conducted the job-embedded professional development training provided to the teachers. They also conducted follow-up meetings with the faculty to observe how the training ideas were being translated into learning experiences for the students in the classrooms and to offer suggestions, as appropriate. Additionally, these TLRC members, along with experts in Science, Technology, Engineering, and Math, served as judges in an ICT Science Fair. During their interaction with students, the judges provided feedback to the students regarding their projects and how they could build upon these ideas as they move forward with their education.

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

In addition to the \$2,950.00 contributed by The Laredo Rotary Club, members of the following organizations contributed the funds indicated below to this initiative:

Cooperating Organization	Contribution
Laredo Gateway Rotary Club	\$500.00
Laredo Next Generation Rotary Club	\$500.00
Laredo Daybreak Rotary Club	\$400.00
Laredo Under Seven Flags Rotary Club	\$250.00
Club Rotario Nuevo Santander (Nuevo Laredo)	\$1,000.00
Club Rotario Nuevo Laredo Reforma	\$750.00
Club Rotario Villa de Nuevo Laredo	\$250.00
District 5930 Designated Funds	\$3,400.00

The total amount of the grant is \$10,000.00

Financial Report

Date	Description	Funding Source	Amount	%		
Aug 30, 2018	Laredo Rotary	District Grant	\$3,400.00	34.00 %		
Jun 29, 2018	Laredo Under 7 Flags Rotary Club	Club/Other	\$250.00	2.50 %		
Jun 29, 2018	Club Rotario Villa de Nuevo Laredo	Club/Other	\$250.00	2.50 %		
Jun 29, 2018	Laredo Daybreak Rotary Club	Club/Other	\$400.00	4.00 %		
Jun 29, 2018	Laredo Next Generation Rotary Club	Club/Other	\$500.00	5.00 %		
Jun 29, 2018	Laredo Gateway Rotary Club	Club/Other	\$500.00	5.00 %		
Jun 29, 2018	Club Rotario Reforma de Nuevo Laredo	Club/Other	\$750.00	7.50 %		
Jun 29, 2018	Club Rotario Nuevo Santander	Club/Other	\$1,000.00	10.00 %		
Jun 29, 2018	The Laredo Rotary Club	Club/Other	\$2,950.00	29.50 %		
Total:			\$10,000.00	100.00 %		
Description	Supplier	Local Amount	Currency	Tax	Total	Amount
10 COMPUTADORAS BASICPC/PROCESADOR DUAL CORE/4 GB EN RAM/DISCO DURO DE 1TB} 7QUEMADOR,TECLADO Y MOUSE	ENTRALE.COM	\$2,954.43	USD	\$0.00	\$2,954.43	\$2,954.43
8 Amscope Microscopio Binocular	Sky Shop de Ciudad de Mexico	\$1,894.32	USD	\$0.00	\$1,894.32	\$1,894.32
10 PANTALLA HACER MT UM IV6AM.B01 V206HQL 19.5 WIDE SCREEN 1366 X 768 LED BLACK LIT LCDVGA NEGRO	ENTRALE.COM	\$856.28	USD	\$0.00	\$856.28	\$856.28
1 Mesa Central Para Laboratorio Escolar	Veravitrum de Queretaro	\$684.21	USD	\$0.00	\$684.21	\$684.21
	ENTRALE.COM	\$465.04	USD	\$0.00	\$465.04	\$465.04
Total:					\$10,000.00	\$10,000.00

Description	Supplier	Local Amount	Currency	Tax	Total	Amount
1 PROYECTOR EPSON POWERLITE S39 300 LUMENES ANSI 3LCD SVGA (800x600) 10000 H, COLOR BLANCO						
24 Bancos Altos	Veravitrum de Queretaro	\$410.53	USD	\$0.00	\$410.53	\$410.53
1 Proyector Epson Powerlite	Veravitrum de Queretaro	\$368.37	USD	\$0.00	\$368.37	\$368.37
25 LOGITECH BD MK120 KIT TECLADO Y MOUSE ALAMBRICO USB	ENTRALE.COM	\$334.18	USD	\$0.00	\$334.18	\$334.18
School Supplies for Students	Office Depot	\$315.42	USD	\$0.00	\$315.42	\$315.42
1 Esqueleto Humano Normal 1.8m	Veravitrum de Queretaro	\$221.00	USD	\$0.00	\$221.00	\$221.00
8 Estuche De Diseccion Guttek	Veravitrum de Queretaro	\$189.47	USD	\$0.00	\$189.47	\$189.47
Microscopio Quasar Qm10 1600x proyector	Skyshop de Ciudad de Mexico	\$184.16	USD	\$0.00	\$184.16	\$184.16
1 Modelo Anatomico De Sistema Respiratorio	Veravitrum de Queretaro	\$177.89	USD	\$0.00	\$177.89	\$177.89
4 Quimica Molecular Con Estuche De 620 Pz	Veravitrum de Queretaro	\$166.11	USD	\$0.00	\$166.11	\$166.11
8 Matraz Erlenmeyer Graduado 1000ml Vidrio	Veravitrum de Queretaro	\$83.05	USD	\$0.00	\$83.05	\$83.05
1 Modelo Anatomico Del Ojo	Veravitrum de Queretaro	\$73.63	USD	\$0.00	\$73.63	\$73.63
1 Pizarron Blanco Clasico De 90x150	Veravitrum de Queretaro	\$60.47	USD	\$0.00	\$60.47	\$60.47
6 TermometroBrannan Lotox Azul Inmersion Total -20 A 150 c	Veravitrum de Queretaro	\$60.42	USD	\$0.00	\$60.42	\$60.42
8 Mortero De Vidrio Con Pistilo 90mm	Veravitrum de Queretaro	\$59.89	USD	\$0.00	\$59.89	\$59.89
4 Dinamometro De Mano Medidor De Medicion De La Fuerza	Veravitrum de Queretaro	\$50.95	USD	\$0.00	\$50.95	\$50.95
		\$49.68	USD	\$0.00	\$49.68	\$49.68
					Total:	\$10,000.00

Description	Supplier	Local Amount	Currency	Tax	Total	Amount
6 Probeta Graduada Vidrio 100 ml	Veravitrum de Queretaro					
10 Mechero Para Alcohol Con Mecha y Tapa Incluida	Veravitrum de Queretaro	\$39.05	USD	\$0.00	\$39.05	\$39.05
10 Vaso Precipitado 250 Ml Vidrio Borosilicato	Veravitrum	\$37.47	USD	\$0.00	\$37.47	\$37.47
10 Caja de Petri Vidrio 90x18Mm De Diametro	Veravitrum de Queretaro	\$32.21	USD	\$0.00	\$32.21	\$32.21
6 Pipeta Graduada De Vidrio 10ml	Veravitrum de Queretaro	\$30.11	USD	\$0.00	\$30.11	\$30.11
2 Papel Ph Tiras Universales Con Escala	Veravitrum de Queretaro	\$29.05	USD	\$0.00	\$29.05	\$29.05
1 Cubre Objetos 24 x 50 Mm	Veravitrum de Queretaro	\$28.95	USD	\$0.00	\$28.95	\$28.95
1 BOCINA LOGITECH Z213 7 W NEGRO 2.1	ENTRALE.COM	\$28.65	USD	\$0.00	\$28.65	\$28.65
8 Dinamometro 12 Kg Wf9871 Wolfox	Veravitrum de Queretaro	\$25.37	USD	\$0.00	\$25.37	\$25.37
1 4d Master Modelo Anatomico Corazon Humano	Veravitrum de Queretaro	\$25.37	USD	\$0.00	\$25.37	\$25.37
1 Modelo Anatomico Muscular-esqueleto 4d	Veravitrum de Queretaro	\$25.37	USD	\$0.00	\$25.37	\$25.37
5 Portaobjetos Para Microscopio 50pzas	Veravitrum de Queretaro	\$20.11	USD	\$0.00	\$20.11	\$20.11
1 CABLE VGA HD15 MANHATTAN 11 M, VGA (D-SUB) MACHO/MACHO, NEGRO	ENTRALE.COM	\$18.79	USD	\$0.00	\$18.79	\$18.79
					Total:	\$10,000.00