

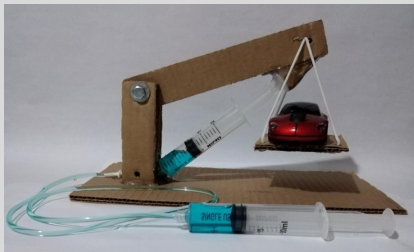
Honduras Manos Ministry: news & updates

October 2021 | tres

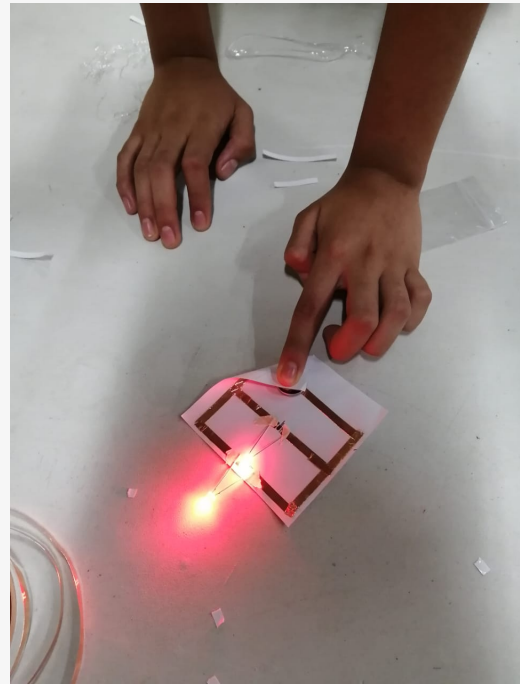
Upcoming Events:
We are very excited that we have seven of our Manos Scholarship students graduating from college in 2021. We will have more news about them next month. Stay tuned.....



Building an hydraulic generator with a turbine system formed with spoons and an electric generator.



Brillantes students built a model of a hydraulic crane applying Pascal's law.



Brillantes students developing a parallel circuit.

Brillantes Program (STEM) a Big Success!

We completed our Stem program called Brillantes, developed by Texas State University for our Manos scholarship students. The Brillantes Program was possible due to a grant that the Manos Honduras Ministry received from IEEE (Institute of Electrical and Electronics Engineers).

Earlier in 2021, the Manos Scholarship Program started working with professor Dr. Araceli Ortiz and Cindy Rojas (recent graduate from a M.S. in Technology Management) from Texas State University on the Brillantes Program. Since then, Dr. Ortiz has taken a position at the UTSA College of Engineering and College of Education and has continued supporting our efforts in her new capacity. Dr. Ortiz and Cindy developed the Brillantes Program,



Students watching a video with Dr. Araceli Ortiz talking about her professional background and experiences in applying Engineering and Math in her job.



We can observe how the Brillantes students are working on one of NASA challenges, how to design an impact absorption system to protect astronauts.



Building a solar oven to demonstrate the

which is an electrical engineering and algebra after school program for 20 of our Manos Scholarship students in 7th, 8th, and 9th grades. The objectives of the Brillantes Program were:

- 1) Provide motivating and enriching STEM experiences to underprivileged students.
- 2) Pilot the program with Honduran students with the potential to replicate the program in other Spanish speaking communities in the US and/or in Latin America.
- 3) Provide professional development to Honduran educators and facilitators.

We launched the Brillantes Program the first week of October 2021 and continued for four weeks. We held 4-hour sessions on Saturdays at the Manos de Dios Church. We had the best Honduran team implementing the program formed by Prof. Candy Rodriguez (Math teacher from Institute Pedro Nufio), Julio Lara and Kimberly Figueroa (Industrial Engineering Manos scholarship students who served as teaching aides), Cecia Celaya (Logistics coordinator) and Edil Reyes (IT coordinator). Both Edil and Cecia have been part of the Manos Scholarship program since 7th grade and graduated from college with degrees in Computer Science and Psychology, respectively.

On the last day of the program, we held a hybrid event where we had the Brillantes students, parents and team members attending in person and about 30 other students, parents and special guests attending via Zoom. This was a special day, given that we invited three universities in Danli (UNATEC, Católica & Politécnica) to do a career fair for all our students. We had three fantastic presentations from either the president or the director of the colleges. It was particularly inspiring to have Dr. Carlos Moreno, president of the Catholic University and Ing. Ivis (Head of Admissions of the Catholic University)

conversion of solar energy to thermal energy.



Iveth Rodriguez talking on a pre-recorded video about her position at the Zamorano University as an instructor and researcher and sharing how she utilizes science in her job everyday. Iveth was part of Manos Scholarship Program from 7th all the way to college. In 2017, she graduated with a Master's degree in Agronomy from the University of Mayaguez, Puerto Rico.



Ing. Ivis, Head of admissions of the Catholic University, making a presentation about the learning environment and the majors offered at the college.



All Brillantes students received a certificate of participation during the closing ceremony of the program.

talking about their personal journeys, the learning environment and career opportunities at their university.

As part of the closing ceremony of the event, the Brillantes students presented their exciting final science projects and received personalized certificates of participation and the biggest applause from a room full of proud parents and other students.

We would like to thank all the team that made the Brillantes Program possible including Dr. Araceli Ortiz, Cindy Rojas, as well as Prof. Candy Rodriguez and her hard-working support team that helped throughout the process. Also, we would like to thank Peter Baen and Patrick McCarren for their encouragement and assistance during the grant application process. Lastly, we are grateful to IEEE and PCIC (Petroleum and Chemical Industry Committee) for their vision in supporting youth STEM programs such as the Brillantes Program. We are hoping that we will be able to implement once again the Brillantes Program in Danli, Honduras next year.



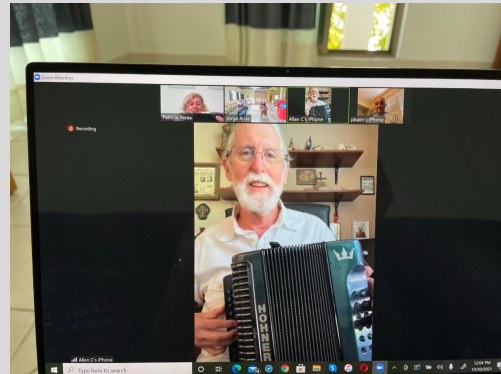
2021 Class of Brillantes Students of the Manos Scholarship Program

Club Intercambio: Connecting & Exchanging Stories with Manos Team Remotely

Every Saturday morning, our Club Intercambio, which is an ESL Club offered to our Manos Scholarship students, gets together for class and activities to improve their English language skills. This past Saturday, four of the more advanced students prepared a story in English and read it to some of our Manos team members via Zoom. After they presented their stories, they asked us to tell a story ourselves. Fr. Allan Conkling decided to tell a story about his Conjunto music accordion lessons that he started taking recently. He even played a little for us. This was a wonderful opportunity for our students to share some of their accomplishments with us and to listen to native English speakers as part of their learning. There will be more opportunities in the future for members of the Manos Team to get involved this way and get to exchange (intercambiar) language phrases, stories, culture, and spend time together with our students.



Nixia telling us a story about how to crack a coconut...



Fr. Allan Conkling doing a "show and tell" with his lively accordion...

Honduras Manos Ministry



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Re: Honduras Scholarship Program
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