

2021-2022 ANNUAL REPORT

Paraguay

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- Organization and Number of Staff: Benjamin Franklin Science Corner / 7 staff
- Funding by: US Embassy in Paraguay
- Cooperating Organizations/Individuals: Conciencia Paraguay, Facultad de Ciencias Exactas UNA.
- GLOBE Schools: Centro Educativo La Amistad
- GLOBE Protocol Areas: Atmosphere and Biosphere
- Number of Schools Reporting Data over Past Year: 1



2021-2022 ANNUAL REPORT

Program Implementation, International Cooperation in GLOBE Network, and Activities over Past Year (categorized by GLOBE Strategic Plan 2018-2023 Goals):

- Education

The Benjamin Franklin Science Corner has been working with local high schools to increase student and teacher participation in GLOBE. Also, the Science Corner has been using GLOBE protocols and the GLOBE Observer App during their science workshops and afterschool programs.

The science corner is visiting local high schools to teach students and teachers how to do GLOBE protocols. The frequently requested protocols are the atmosphere and biosphere. Also, the GLOBE Observer App continues to be downloaded by students.

- Science

Through GLOBE, the Benjamin Franklin Science Corner volunteers have learned to measure temperature, relative humidity from the atmosphere protocols and other hydrology instruments. Also, we have to know the name of the clouds using the cloud protocol. We are currently taking data using the GLOBE Observer App.

We hope to start with more protocols next year. We are currently building a workshop for August and September for teachers who would like to be part of the GLOBE community. We plan to include more teachers trained in new protocols.

Also, we plan to continue with the Science Club at the Science Corner in different schools and take more cloud observations and temperature observations.

This year we introduced the new butterfly and environmental factors protocols, and we have been working more closely with Argentina, Peru, and Uruguay.



2021-2022 ANNUAL REPORT

- Community

The Benjamin Franklin Science Corner has started working in the community with the citizen science app GLOBE Observer.

First, we trained the citizen scientists in two opportunities using the GLOBE Observer App: The Clouds Protocol and Mosquito Protocols. We will continue to work with both groups to make sure they are taking data for the Program.

The Art of Clouds is in Spanish, and it is part of the Americana Box. The Americana Box is a subscription box for low-income families with no access to the internet. Using the Art of Clouds, the families will be able to learn the name of clouds and famous pieces of art from famous painters. This activity introduced atmospheric sciences to 90 families in 2020; 210 families in 2021, and in 2022 the Art of Clouds was distributed to 430 families.

- Technology

The Science Corner has created a Larva printed in 3D to help identify parts of the larva during our classes of the GLOBE Zika Education and Prevention Program. We hope the 3D printed larva will help teachers and students identify body parts they are looking for under the microscope, such as the head, thorax, abdomen, and siphon.

We noticed it was much easier for students and teachers to explain the parts with the 3D-printed larva. Also, we took the 3D-printed larva to workshops at schools, and participants were much more interested in using the Mosquito GLOBE Observer App with the help of the 3D-printed larva.

We have continued to use the 3D printed larva, especially when we cannot find mosquito larvae to identify with the microscope in our Local Mosquito Workshops.



2021-2022 ANNUAL REPORT

- Communications

The Benjamin Franklin Science Corner, the Scientific Society of Paraguay, and the United States Embassy in Asuncion use their Facebook to promote any GLOBE-related activity. Also, we use other social media platforms to promote GLOBE.

Consequently, the Science Corner features GLOBE teachers who are doing the protocols in their schools through their Social Media. Highlighting teachers in Social Media helps spread GLOBE in schools, and it also empowers the teachers doing GLOBE protocols.

As part of the GLOBE Zika Education and Prevention Program, we have many requests to take the program to the country's remote areas where mosquitos' diseases are high. The featured program at a local digital media to increase teachers' participation in the program.

Plans and Ideas for Next Year:

- Workshops for new Globe teachers.
- We plan to include more teachers trained in new protocols.
- Plan to continue with the Science Club at the Science Corner in different schools and take more cloud observations and temperature observations.
- Collect more data with the GLOBE Observer App.