

Country Focus:  
Colombia,  
Chile, Costa Rica, and  
Dominican Republic



STEM-Academia

[Learn more here once the course is made public in June 2021.](#)

The **Colombian Academy of Exact, Physical, and Natural Sciences** received an ITEN Seed Grant to support early childhood teachers. Through its outreach and education branch program, **STEM Academia**, it has developed a massive open online course (MOOC) "**Girls in STEM: An Inclusive Early Education.**"

Before opening the course to tens of thousands of teachers across the region, they carried out a pilot study with early childhood teachers across Chile, Colombia, Costa Rica, the Dominican Republic, Panama, and Peru.

This self-paced, 18-hour course has the following objectives:

1. Increase awareness about gender gaps with regard to participation in STEM careers
2. Understand the central reasons behind the gap of access and career engagement in STEM, and how to address them
3. Become familiar with tools to increase STEM confidence and self-efficacy of girls
4. Apply this new knowledge to promote more inclusive classrooms.

STEM Academia provides participants with certificates of attendance upon completion of the first seven units and of attendance with honors if all eight units are completed.

75

**teachers** across the region registered in the pilot test.

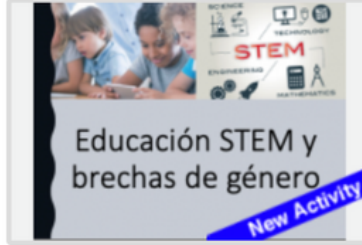


*"I like to think that careers are based not on gender, but on skills."  
- Karla Martorell Esquivel*

### Unidad 0: Introducción al c...



### Unidad 1: Educación en las ...



### Unidad 2: Causas de las bre...



### Unidad 3: Aulas de educaci...



### Unidad 4: Precursores para...



The developers and leaders of the course include the following people:

All of the materials created for this course will be **Open Access Resources** and available for any teachers or teacher education institutions that wish to duplicate them on their own learning platforms.



Paola González,  
Colombia



Margarita Gómez,  
Colombia



Ana Sofia Salguero,  
Costa Rica



Izaskun Uzcanga,  
Republica Dominicana



Alejandra Yate,  
Colombia



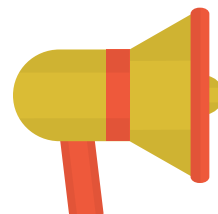
Marcela Vargas,  
Chile



Rocío Cardona,  
Colombia



Mauricio Duque,  
Colombia



To prepare for the June 2021 launch of the public course, please help us disseminate this opportunity among your (Spanish-speaking) teachers! Contact Rebecca Vieyra at [rvieyra@oas.org](mailto:rvieyra@oas.org) for more details.

*"This excellent initiative, of which I feel privileged to be taken into account, is a course that motivates us to close those gaps for our girls who are unable to develop in these areas of STEM." - Anyelina Díaz Lorenzo*