

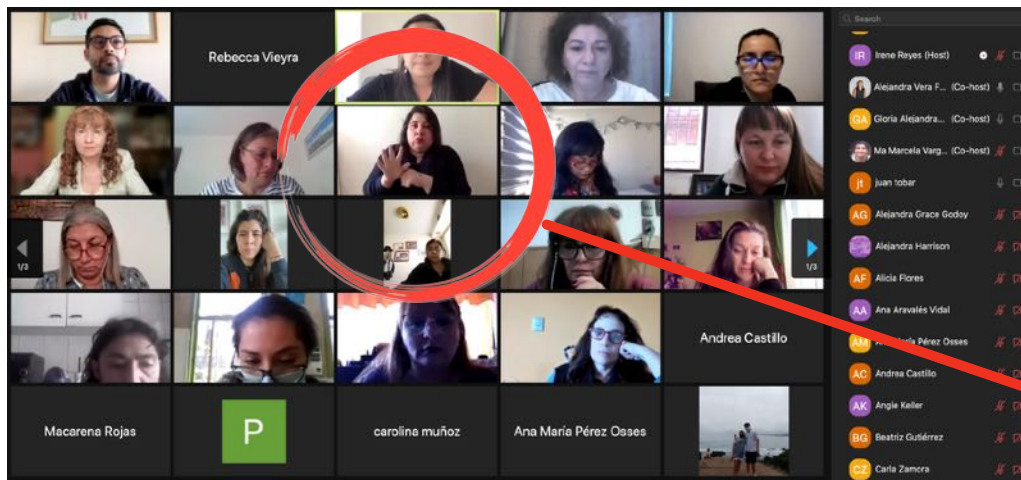
# Country Focus: Chile

Through the initiatives of the **University of Chile**, the **ECBI Program Team**, and **Dr. Pilar Reyes** and **Ms. María Marcela Vargas Fernández**, a course is being carried out for teachers in schools in the commune of Santiago de Chile, **STEM Education with a Gender Focus in Early Childhood Education**.

The course includes 15 hours of professional development that are distributed in weekly sessions from October 4 to November 11, 2021. The general objective is to generate opportunities to strengthen STEM competencies with a gender focus in preschool educators, with attention to the needs of teachers with hearing loss.



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**teachers** make up the community of participants, with the support of a **sign language interpreter** for greater inclusion

During each session, teachers participate in STEM activities that they can reproduce in their classrooms, such as this activity to use water droplets to model the impact of a sneeze on the spread of viruses.

Participants have also taken part in conversations about to help girls in the classroom build stronger STEM identities, supported by the experiences and suggestions of two teachers and ITEN participants, **María Marcela Vargas Fernández** and **Adriana Paola González Valcárcel**, co-authors of a report on gender equity in early childhood education. [Learn more here.](#)

A continuación modelarás las gotitas respiratorias que salen de la boca y nariz cuando toses o estornudas:

- Párate frente a la pared a una distancia de 1 paso con una taza de agua.
- Sostén la taza con agua debajo de la barbilla.
- Sumerge la otra mano en el agua hasta mojarle los dedos.
- Cierra tu mano en forma de puño. Y levanta rápidamente el puño fuera de la taza.
- Desliza rápidamente solo tus dedos 3 veces hacia la pared ( parte del agua debe volar de tu mano hacia la pared)
- Acércate a las gotas que quedaron en la pared, obsérvalas y dibújalas en tu cuaderno.
- Usa un paño o papel secante para limpiar la pared.
- Repite el experimento a una distancia de 2 pasos. Observa las gotas y dibújalas en tu cuaderno
- Seca la pared después del experimento.
- Repite el experimento a una distancia de 3 pasos, y luego de 4 pasos.



Through these activities, the organizing group hopes to transform the kinds of activities carried out in classrooms for girls and boys in early childhood education across public schools in the Santiago region.