

Science for Sharing

Science for Sharing (Sci4S) is a civic and educational program that seeks to form better citizens from childhood through the emotional and experiential involvement of children with Science, Technology, Engineering and Mathematics (STEM), developing skills such as observation, prediction and classification; besides reflecting on the great global challenges represented in the United Nations Sustainable Development Goals (SDGs) for the construction of meaningful learning.

The main goals of Science for Sharing are:

- Positively involve children with Science, Technology, Engineering and Mathematics
- Spread knowledge about SDGs and their relationship to STEM.
- Develop scientific and mathematical knowledge, attitudes and skills.
- Promote the practice of civic values.

How do we do it?

In the program Science for Sharing, the SDGs are the main educational contents to develop activities and to consolidate learning and reflection on global challenges.

It is through our methodology based on the power of play and STEM experiments, that children convert the SDGs into initiatives and concrete actions to improve their lives and communities for instance:

Sci4S is integrated by eight thematic units aimed to acquire knowledge and develop pedagogical tools to teach and learn science.

Unit 1. Introduction to Science for Sharing, SDGs and scientific skill

Unit 2. Water cycle

Unit 3. Ecosystems

Unit 4. Electricity

Unit 5. Simple machines

Unit 6. Solar energy

Unit 7. Health

Unit 8. Solar system

Each one of the units are composed by three elements

1. Ludic activity - Games that incorporate physical activity and exemplify scientific topics related to the SDGs.
2. Experiment – Children participate in different activities to probe and test hypothesis about the main topic of the unit.

3. Mathematical challenge.

All these elements makes Science for Share program flexible, and provide high educational impact and it is important to address local needs child participation from social advocacy.

Who has been benefited by Science for Sharing?

Sci4S have been implemented in 205 elementary schools of Mexico and United States of America reaching 2, 680 teachers, 64, 277 children and 115, 700 parents.