



## Educational Research and Development Programme

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Towards an Interactive Science Centre in Palestine

## Science Studio

The Science Studio is one of the projects implemented by the Educational Research & Development Programme at the A.M. Qattan Foundation, in partnership with the Ramallah Municipality.

The latter generously donated a space in the Ramallah Recreational Complex for the studio.

استوديو  
العلوم  
Science  
Studio



The Science Studio is a five year pilot project (2017-2021) that will lay the foundation for the establishment of a long-term Interactive Science Centre in Ramallah.

The Science Studio is one outcome of the Walid and Helen Kattan Science Education Project, which ran teacher professional development strategies over the course of six years to 2017.

It is a product of a long-term research-led experience driven by inquiry-based teaching approaches in science education.



The Science Studio aims to spark people's curiosity about science, and to make science relevant within the Palestinian and international human contexts.

It aspires to communicate science in a way that achieves engagement, emotional involvement and retention of acquired knowledge, and to offer learning opportunities for students, teachers and the wider public.

The Science Studio is a creative space where scientists, artists, engineers, educators and technicians congregate for brainstorming, ideation, design, prototyping and fabrication of interactive science exhibits.









Science exhibits are used in schools, universities, public spaces and other venues to develop science education.

These exhibits allow visitors to immerse themselves in an interactive process that is based on extensive research, reflection and continuous evaluation at every phase.

## Programmes and Activities of the Science Studio:

1

### **Exhibit Development and Fabrication:**

A team of exhibit developers will experiment continuously with designing and building exhibits, as well as work with researchers and community members to come up with ideas for new exhibits.

2

### **“Community Participation”, Public Programme:**

The Science Studio’s staff will be organically involved in the community where team members build exhibits and educational programmes to be run in public spaces. Through this programme, residencies and seminars for artists will be offered, with the aim of creating an integrative relationship between science, art and technology.



# 3

## The Education Programme:

### Teachers' Professional Development:

The Science Studio aims to provide professional development opportunities for school teachers and students, with an emphasis on integrative informal science learning activities within the formal education system.

### The Tinkering Lab (Karkasha):

This is a space for co-designing and creating prototypes and models where the audiences are active participants in the creation processes of science exhibits.

### Science Festivals:

These are run as part of an annual scientific educational programme held in different parts of Palestine. The programme targets children and their families, as well as school students and their teachers.

It aims to stimulate children's passion for science in selected scientific themes, and to present those themes through scientific films, panel discussions, activities, experiments and exhibits.

These festivals are implemented in partnership with cultural and educational organisations, and are run by teachers and early childhood educators who are involved in the Education Programme.

## A.M. Qattan Foundation

The A.M. Qattan Foundation is an independent, not-for-profit developmental organisation working in the fields of culture and education in Palestine and the Arab World, with a particular focus on children, teachers and young artists.

The Foundation works toward a just, free, enlightened, and tolerant society with an active global presence, one that embraces dialogue and produces knowledge, art and literature.

## Ramallah Municipality

Ramallah Municipality harnesses its capability and energy for the development of an advanced, open, cultural hub, green and prosperous city.

The municipality is committed to attaining an innovative diverse cultural space. It works professionally and transparently with all the institutions of Ramallah on a basis of partnership and integration.