

**MASHAV - Israel's Agency for International  
Development Cooperation**

**with**

**The MASHAV Educational Training Center in  
cooperation with The Davidson Institute of Science  
Education**



STATE OF ISRAEL

invite professionals  
to participate in the

**On Line Webinar:**

**Science learning through Investigation  
for Primary and High Schools**

**5 online meetings between**

**Once a Week**

**22/2 -22/3/2021**



## About the Course

In a world that is becoming increasingly complex, where citizens and communities need to be creative and analytical in the way they deal with problem-solving, our education processes need to be measured not only by what we know but also by what we can do with that knowledge and even by our ability to develop and combine this knowledge. Covid-19 (coronavirus) has significantly affected education communities; this has meant a quick transformation of the curriculum and learning styles.

In this context, a better appreciation of how knowledge is developed and the ability to navigate learning processes are the main issues that the OECD and UNESCO recommend incorporating into the changing educational systems. All learners should be prepared to think deeply and critically, get knowledge, and develop creative and analytic thinking skills

Investigation is one of the skills needed to develop the above, when children and young people between the ages 12 -18 years old and are given the opportunity to learn how to do their own science or social investigation. Doing it by going into a topic that inspires them, beyond of what is already known, engaging them in a more highly and integrated path into something relevant for their own lives.

In collaboration with The Davidson Institute of Science Education, we will address the challenges of curiosity, tools and skills to observe, explore, experiment, and ask questions that enables an optimal investigation.

### Main Subjects

- ❖ Experiencing active learning tools.
- ❖ Materials that motivates experience processes development.
- ❖ Strengthening tools, skills and knowledge to improve the scientific investigation process.
- ❖ Experience with tools for evaluating learning outcomes.

### Audience

This online course is designed for, Directors and Coordinators in Sciences Education Departments in the Ministry of Education, Sciences Educators and Science Coordinators in primary and high schools, Educational Trainers .

### Course Structure

The webinar will include five meetings, **two-hour sessions- 11:00- 13:00 Israel Time**, with various activities. Among them; Lectures, presentations through videos, discussions, and experimenting

\*The course is accompanied by a Learning Management System, where tasks and material will be shared between meetings.

\*Participants will need to create a Gmail account.

| Training phase | Date | Time        | Duration | Main Topics                                   |
|----------------|------|-------------|----------|---|
| Meeting 1      | 22.2 | 11.00-13.00 | 2.00     | Curiosity inspires scientific Investigation   |
| Meeting 2      | 1.3  | 11.00-13.00 | 2.00     | Investigation questions are the right starter |
| Meeting 3      | 8.3  | 11.00-13.00 | 2.00     | How to present your data?                     |
| Meeting 4      | 15.3 | 11.00-13.00 | 2.00     | 'Show & tell': conclusion and more            |
| Meeting 5      | 22.3 | 11.00-13.00 | 2.00     | 'Graphic' your investigation products         |

### Application

\*\*\*Application forms annexed to this mail. You can also get it at the closest Embassy of Israel

Those interested are invited to complete the attached form and submit it through the nearest Israeli Embassy until February 9<sup>th</sup>, 2021.

### About MASHAV

MASHAV - Israel's Agency for International Development Cooperation is dedicated to providing developing countries with the best of Israel's experience in development and planning. As a member of the family of nations, The State of Israel is committed to fulfilling its responsibility to contribute to the fight against poverty and to the global efforts to achieve sustainable development. MASHAV, representing Israel and its people, focuses its efforts on capacity building, sharing relevant expertise accumulated during Israel's own development experience to empower governments, communities and individuals to improve their own lives. MASHAV's approach is to ensure social, economic and environmental sustainable development, and is taking active part in the international community's process of shaping the Post-2015 Agenda, to define the new set of the global Sustainable Development Goals (SDGs). MASHAV's activities focus primarily on areas in which Israel has a competitive advantage, including agriculture and rural development; water resources management; entrepreneurship and innovation; community development; medicine and public health, empowerment of women and education. Professional programs are based on a "train the trainers" approach to institutional and human capacity building, and are conducted both in Israel and abroad. Project development is supported by the seconding of short and long-term experts, as well as on-site interventions. Since its establishment, MASHAV has promoted the centrality of human resource enrichment and institutional capacity building in the development process - an approach which has attained global consensus.

<http://mashav.mfa.gov.il> <https://www.facebook.com/MASHAVisrael>

## About the A. Ofri International Training Center

The A. Ofri International Training Center was established in 1989 as a professional extension of MASHAV - Israel's Agency for International Development Cooperation. The activities are targeted to meet the Millennium Development Sustainable Goals-SDGS set by the United Nations to be fulfilled by the year 2030.

The Center's vision is that education is the starting point for a person to build himself/herself a gate to new possibilities. Education is the key to a better future and shields against physical harm and confronts moral dilemmas. Education enables us to ask for proper healthcare when needed, and the way to stay healthy and adopt responsible behavior with our bodies. Education is sharing, learning and growing up together with others. Through education we can learn to take better care of our world, treat it respectfully and use wisely the resources it offers us.

Education concerns itself with learning at all levels, from elementary and secondary school through adult education, and provides knowledge and training for basic skills development, civic awareness, community education, education for special populations, treatment for youth (Including those at risk), youth integration, youth leadership, education for health and the prevention of drugs abuse.

Since its inception, the A. Ofri Center has trained thousands of professionals from countries throughout the world. The Center cooperates with senior staff in the Israeli Ministry of Education, academic experts, governmental organizations and non-governmental organizations. In addition, it communicates and cooperates with key international organizations such as UNESCO, OECD, USAID, UNODC, OAS, IOM and the World Bank. In adopting the UN's Millennium Development Goals, the A. Ofri Center contributes to the sustainable development of human resources internationally, based on knowledge and experience accumulated in Israel.

Website: [www.ofri.org.il](http://www.ofri.org.il)