# PROJECT FACTSHEET

Funded by the European Union

**EU4Innovation: STEM Pilot Activities**



**Duration:** 23.12.2018 - 22.12.2022

**Countries:**
Armenia

**Total budget:** € 10 000

**Implementer:**
The World Bank

**Project description:**
This project is designed to improve the quality of Science, Technology, Engineering, and Mathematics (STEM) education in general education in the pilot region(s) of Armenia. Furthermore, the results of the pilot will be rolled out throughout Armenia by the Ministry of Education, Science, Culture and Sport (MoESCS) to improve the quality of secondary education in Armenia.

The project aims to support the MoESCS in redeveloping the curricula, associated pedagogical materials, textbooks, teachers' guides, and selected exams or examinations blueprints for STEM subjects in grades 5-12, using contemporary methods and technologies, as well as strengthening the National Institute of Education.

**Expected results:**
The objective of the Trust Fund is to improve the quality of STEM education in general education in the pilot region(s) of Armenia (Tavush and, if the funds are sufficient, partially Shirak region).

1. Component A: Improving STEM education and piloting redeveloped curricula and pedagogies (Bank Executed Activities)

Component A is focused on modernizing the STEM curricula and training teachers on modern, student-centered pedagogies to improve STEM education. The international experts hired by the World Bank will share international best practices and provide feedback for a consolidated draft prepared by Armenian experts for the revision of existing curricula (syllabi) for STEM general education (grades 1-12). In addition, insights and best practices for the development of teaching and learning materials package (subject syllabi, lesson plans, draft textbooks, inputs for assessment instruments) for lower secondary education (grades 5-12) will be established. This draft curricula will then be used in the teacher training on modern, student-centered pedagogies and on the use of equipment and materials to be provided through the Recipient Executed Component C2. The modernized curricula and materials (for grades 5-12) will support the pilot and serve to evaluate the effectiveness of the redeveloped curricula and materials. The pilot region is Tavush.

Subcomponent A.1 Redevelopment of STEM curricula and pedagogies

The redevelopment of the curricula and of the teaching and learning materials will be carried out by a working group structure led by a STEM Technical Committee (STEM TC) with support of several sub-committees. The subcomponent