

STEM Education Program in Korea

The STEM (science, technology, engineering and mathematics) education program in the Korea District of the Department of Defense Education Activity is a kindergarten through grade twelve education program of the Department of Defense Education Activity that integrates the study of science, technology, engineering and mathematics. It is an extension of the STEM Education & Outreach Program of the United States Department of Defense. It is a program that engages students of diverse backgrounds, genders, abilities and experiences, at all school levels, to yearn to learn from an integrated perspective across all disciplines, about the business of STEM.



Vision Statement: Empowering our students as inventors, explorers and innovators to lead global achievement in Science, Technology, Engineering and Mathematics

Mission Statement: To Inspire, Engage and Promote student interest in STEM related fields to meet the needs of the 21st century.

Goals:

- 1. To develop a constructive awareness of STEM careers processes and procedures among K-12 DoDDS Korea students through participation in STEM activities and courses**
- 2. To promote the retention of DoDDS Korea students in STEM career fields upon high school graduation**

Objectives

Inspire	Promote	Engage
<ul style="list-style-type: none">• Increase the awareness and importance of STEM• Provide opportunities and resources for learning and personal growth that stress academics, knowledge, skills, abilities, and attributes required for STEM discovery and innovation• Strengthen, expand, and enable communities of stakeholders to provide a continuum of formal and informal STEM programs and opportunities• Directly engage populations underrepresented in STEM fields.	<ul style="list-style-type: none">• Identify programs and best practices for STEM literacy• Strengthen and promote the awareness of STEM – relevant opportunities• Develop and disseminate STEM literacy materials	<ul style="list-style-type: none">• Implement a communication strategy to support STEM discovery and education• Provide ongoing and sustainable STEM professional development• Obtain community support for STEM educational partnerships• Prepare staff to integrate STEM learning into the classroom• Teachers empower students to be independent learners, critical thinkers, and problem solvers• Engage students in STEM Fairs and Symposia



They've Got the Whole World in Their Hands