

P-10: Development of a National Network to Promote STEM Education – Teacher Training and Further Training for Teachers within all Types of Higher Education Institutions

The development of a national network to promote STEM education focuses on cooperation between universities of teacher education and technical universities in the training and further education of teachers. The project spans all types of higher education institutions and all areas of Switzerland. By concentrating know-how, the project creates the necessary structures to develop and jointly implement tools (e.g. courses or CAS programs) to train and further educate teachers in STEM subjects.

The priority is placed on obligatory schooling (kindergarten through the 9th year). Particular attention is given to ensuring the use of gender-inclusive teaching methods. Thus, the program delivers not only decisive input to secure enough future students (especially female students) for STEM degree programs and careers, but also generally increases the visibility and reputation of STEM education in schools and generates greater interest for STEM subjects in teachers and in children and young people. The participating institutions particularly promote education in technical subjects and informatics in addition to the traditional focus on maths and the natural sciences.