



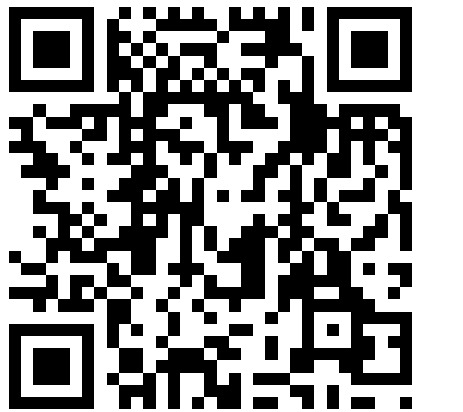
Office for the Next Generation

[Support STEAM Education, Science and Mathematics Education]

* STEAM : Science, Technology, Engineering, Art(s) and Mathematics

Office for the Next Generation, Institute of Industrial Science

Human resource development Next-generation



Common Facilities

<https://ong.iis.u-tokyo.ac.jp>

What's "Office for the Next Generation" ?

The Office for the Next Generation (ONG) has been set up at the IIS to introduce the latest technology in university into elementary and secondary education cooperating with industries.

The purpose of ONG is to make new models of the STEAM education and outreach, which raises next-generation researchers and engineers, by cooperating with the industries.

Roles of the ONG



Create educational activities that cultivate human resources who generate next-generation innovations through collaboration with various institutions and companies.

Cross-Subject STEAM Educational Programs
Science, Technology, Engineering, [Liberal-]Art[s], and Mathematics

Cooperating with Industry-government-academia

Dai Nippon Printing × UTokyoIIS
Design Thinking-based STEAM
Education Workshop



Tokyo Metro × UTokyoIIS
Railway Workshop



JAL × UTokyoIIS
Airplane Workshop

Educational activities with the
"Board of Education" of Tokyo
and Saitama



Education Forum for the 6th Next
Generation

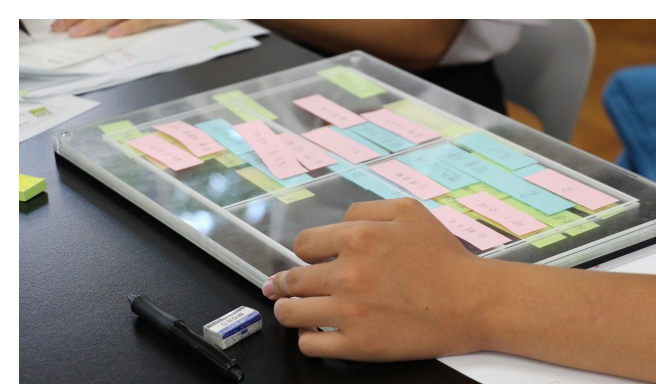
The symposium was held on the theme of 'Deepening "proactive, interactive, and deep learning" through STEAM education'.

Develop Teaching Materials

Teachers can borrow and use these teaching materials in class.

Design Method of Inquiry-Based Learning

A learning method and teaching materials that highlight the process of developing inquiry questions. Students organize their inquiry goals and refine their own questions.

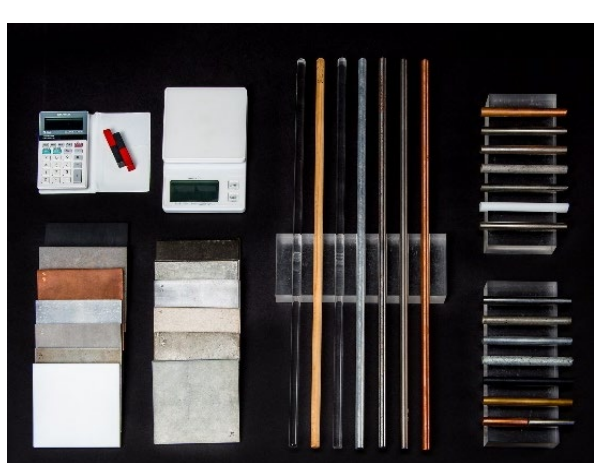


Digital materials 'ONG STEAM STREAM'

ONG映像教材検索 OFFICE FOR THE NEXT GENERATION



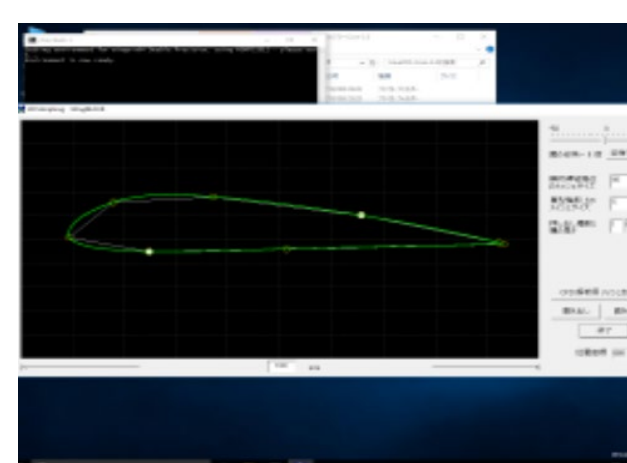
Borrowing Teaching materials



Examine metals and materials



Study how the wheel works



Simulate airplane

On-site class, Acceptance class, Laboratory tour

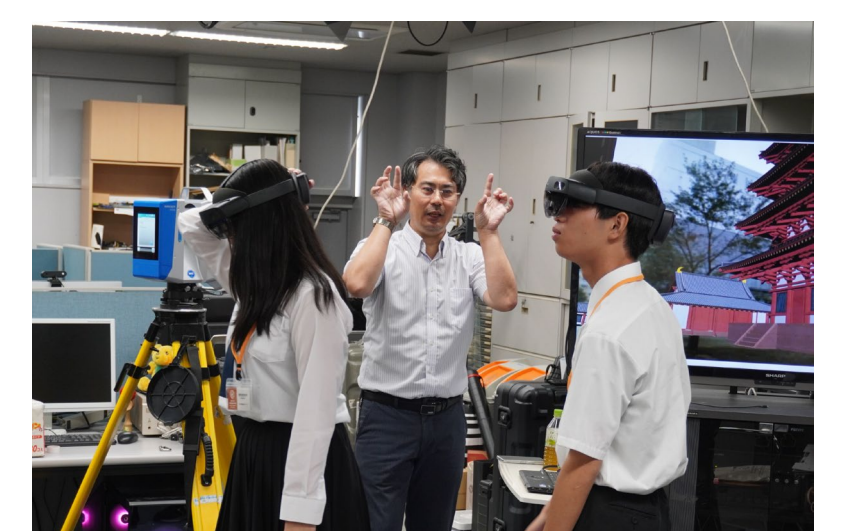
Supporting educational and outreach activities that highlight the relationship between the latest technology and social needs.



On-site class
Hongo Junior High School



Acceptance class
Nigata Kashiwazaki High School



Laboratory tour
Wakayama Tanabe High School

UTokyoGSC-Next

This program develops global human resources for elementary, junior high, and high school.

