

S. Kawagoe LAB.

[STEAM Education System]



Department of Mechanical and Biofunctional Systems

Engineering Literacy

Interdisciplinary Information Studies

Science Interpreter Training Program

<http://www.kawagoe-lab.iis.u-tokyo.ac.jp>

STEAM Education System based on the Research in IIS

Research for STEAM educational system based on the cutting-edge research in IIS

We are developing STEAM education system based on the cutting-edge research in IIS to improve next-generation science and technology literacy with the keywords of engineering × education × communication.

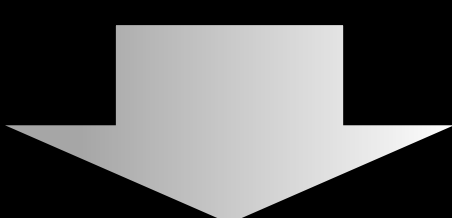
* STEAM : Science, Technology, Engineering, Arts, and Mathematics

Systematizing STEAM Education

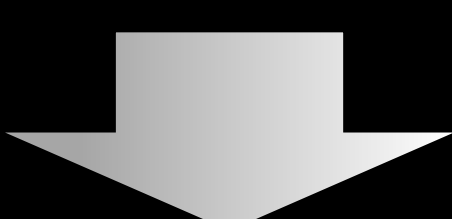
Analysis and Evaluation of Programs

STEAM Education Design

Development of
Educational
Interface



Design of
Workshops



Evaluation
and Analysis



Visiting lectures



Workshops

Teaching Materials

Development of
teaching materials and
worksheet



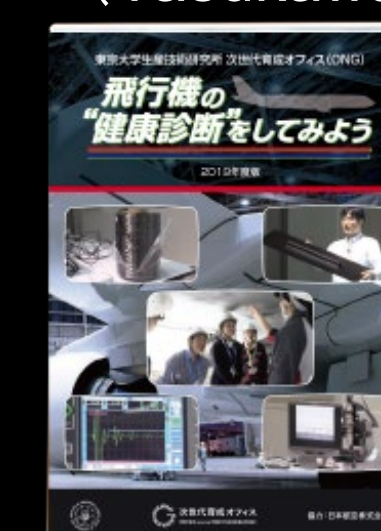
Experimental teaching materials

Development of
Digital teaching materials
(VR, YouTube, DVD)



VR Contents

(Yasukawa, S., Master Thesis, 2021)



Visual teaching materials @ONG

Practice of Science and Technology Communication



Science cafe



Seminar



Workshop for girls



Stargazing event