

# 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.

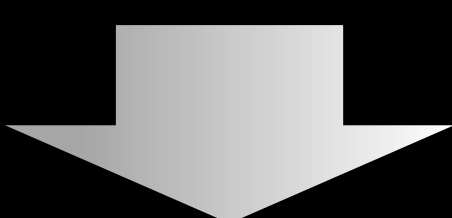
\* STEAM : Science, Technology, Engineering, Arts, and Mathematics

### Systematizing STEAM Education

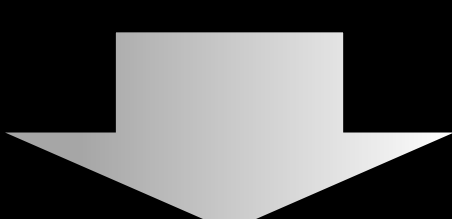
#### Analysis and Evaluation of Programs

#### STEAM Education Design

Development of  
Educational  
Interface



Design of  
Workshops



Evaluation  
and Analysis



Visiting lectures



Workshops

#### Teaching Materials

Development of  
teaching materials and  
worksheet



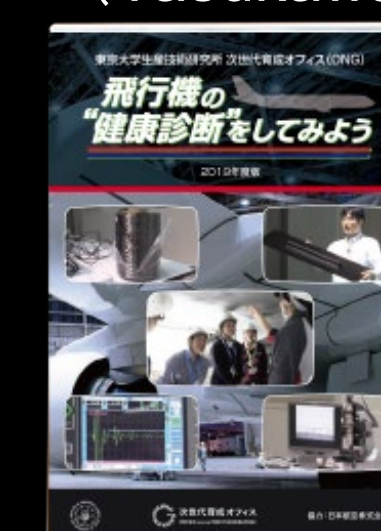
Experimental teaching materials

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