JSAP Vision for the Scientists of Tomorrow

GOAL

Spotting and cultivating talent for science	Towards a society where scientists and engineers can be given diverse opportunities	To produce scientists who can lead the field of science and technology on a global level

Education levels

Career

Activities of the JSAP

Senior volunteers

Promoting technology and science to the general public

Committees

Symposiums (75th anniversary project)

Science Policy

Promotion of Industry-university collaboration

Support for young researchers

Support for female researchers

Education Policy

Invitation to consider study of natural science as longer-term goal

Promoting science subjects

Improving perceptions in society toward science and engineering

- Promoting deeper understanding of 'craftsmanship' in science
- Holding public lectures/seminars
- Science classes for mothers

Publicizing attractive aspects of specializing in science, engineering

Nurturing female leaders in science and engineering

Providing career support for female researchers

- Supporting home offices etc. (mobile researchers)
  making use of IT to diversity working styles
- Providing facilities for working mothers (e.g. nurseries)

Graduate School

Database of post-doc researchers

- Providing information about tenure posts
- Supporting multi-career paths
- Sending doctors to schools to deliver classes

University reform

Enthusing the children with an interest in science

- Role models
- "Challenge" Campaigns
- Teachers with degrees in science a engineering
- Company researchers delivering classes
- Visit to companies

Secondary

Delivery of classes

Primary

Joint classes for parents and children

- Participation of senior volunteers ・・・ supports by the JSAP

Promotion of scientists' status in different sectors

- Politics, civil service, journalism, industry, law
- Policy makers and copyright lawyers with degrees in science and engineering

Increase in the number of independently-minded scientists who can compete on the world stage

- Establishing international research centers and giving opportunities to young researchers to take a leading role (in research and management)
- The number of female researchers to reach 20% by 2030

Investment in creative new industry

- Pioneering business ventures from Japan

Diverse employment opportunities for scientists and engineers

- Promoting a variety of career paths

Founding graduate schools with a special emphasis on inter-disciplinary subjects and collaboration between social and natural sciences

- Flexible researcher exchange between different subjects/majors
- Admitting greater numbers of graduate of science and engineering into social science fields

Encouragement for women to study at science and engineering departments

- Involvement of women in the industrial sector

Cultivating the youth to become scientists of tomorrow

Diversity/Mobility
Leading the field internationally

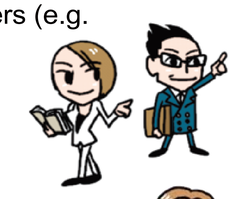
Leaders
Prime Ministers with degrees in science or engineering
Policy makers

Executives
Directors of universities (domestic and foreign)
Top researchers
Top managerial posts in companies

Entrepreneurs
World-class entrepreneurs
Business managers
Entry of post-doc researchers into companies

Researchers
World-class researchers (e.g. Nobel-prize winners)

Lawyers



Journalists
Science communicators
Science coordinators

Engineers
Highly skilled engineers

Teachers/professors

2005 2010 2020 2030 2040

The Japan Society of Applied Physics