

# Encouraging young girls into Science and Technology Fields

—Efforts of Researchers, Teachers and  
Graduate students in Japan—

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# ***Women in the 3<sup>rd</sup> Basic Plan for Science & Technology (2006-2011)***

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- Support for Life Work Balance  
+ Consciousness Reform
- Active Recruitment  
(Prospective Target: 25%)
- Stimulating Scientific Interest of Girls

# Encouraging Female Scientists and Engineers

## Returning to Lab

**Grants and fellowships for Post-docs to return to the lab after maternity/childcare leave.**

(FY2006 budget: \ 140 million = US\$ 1.2 million)

## Support for Model Programs

**Grants given to universities and research institutions implementing programs for fostering and proactively engaging female researchers.**

(FY2006 budget: \ 500 million = US\$ 4.3 million)

## Outreach to Schoolgirls

**Opportunities provided junior/senior high school girls to interact with female scientists and engineers, giving them firsthand examples of women engaged in S&T fields and information on career options.**

(FY2006 budget: \ 35 million = US\$ 300 thousand)

## Stimulating Scientific Interest

**Lectures offered at junior/senior high schools by excellent scientists, widening the opportunity for schoolgirls to become more familiar with S&T fields.**

## Career Path Guidance

**Seminars held at local education centers to encourage girls to pursue math and science and help them to set career paths.**

(FY2006 budget: \ 50 million = US\$ 430 thousand)

# Recruiting Women into Science and Technology Vocations and Stimulating their Interests in Scientific Education

## Problems

- # Low rate of female researchers
- # Few role models
- # Difficult for women envision careers in S&T



## Solutions

- # Provide information on career options
- # Conduct programs to stimulate scientific interest
- # Promote active female participation in S&T

Provide opportunities for exchange between schoolgirls and researchers

- Examples of women actively engaged in S&T fields (role models, information on career path selection)
- Camps, symposia for schoolgirls

Conduct Projects in community education centers

- Case reports on model programs, teacher seminars etc.

Support For Career Paths



Career Advancement

Junior/Senior High School Students

College

Graduate School

Job

Researchers Engineers

Undergraduates

PhD Students Post-docs

Forster Scientific Interest In Junior/Senior High School Girls

Super Science High Schools

Emphasis on math/science education conducted in collaboration with universities

Science Partnership Programs

Experiments and observations conducted collaboratively among primary and secondary schools, universities and science museums

Elementary School pupils



# Summer Camp for High school Girls Since 2005

Sponsored by MEXT  
Held by  
MEXT, NWEC,  
EPMEWSE, SCJ



## 女子高校生夏の学校

～科学・技術者のたまごたちへ～

講演会では、活躍する女性研究者の生き方を学ぶことができます。  
自分の興味のある実験にチャレンジして、最先端科学に触れることもできます。  
理工系の大学生が楽しいクイズ大会を企画しています。白熱すること間違いなし！  
大学生スタッフや、日本の各地から集まった女子高校生と仲良くなって、夜を語り明かしてみませんか。  
きっと夢を見つけ、かなえるヒントがあるはず。



一緒に夢を描こう！  
理系文系で悩んでいるあなたも！  
友達たくさん作りたいあなたも！  
ちょっぴり数学が苦手なあなたも！  
夏を思いっきり楽しみたいあなたも！  
忘れられない夏の思い出を！！

日時：2006年8月17日(木)～19日(金)

場所：独立行政法人国立女性教育会館(NWEC)

〒355-0292 埼玉県比企郡嵐山町菅谷728

参加お申し込み・お問い合わせはこちらまで

TEL:0493-62-6711 FAX:0493-62-6720

<http://www.nwec.jp/>

主催：文部科学省、独立行政法人国立女性教育会館、男女共同参画学協会連絡会  
日本学術会議「科学と社会委員会 学力増進分科会」

*Thank you.*

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