



# EDUCATION & OUTREACH

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## *Kindergarten to Eighth Grade Education*

The APS promotes the systemic reform of K-8 science education. The **Teacher-Scientist Alliance Institutes (TSAI)** funded through the Campaign for Physics, provides support for educators and scientists working to implement hands-on, inquiry- centered science teaching.

[More details](#)

## *High School Education*

The High School Teachers Days are special one-day programs for high school teachers offered by APS at many of its national meetings. A typical program includes presentations by skilled lecturers on contemporary topics in physics; workshop demonstrations for use in the classroom; luncheon; and techniques for forming a local physics alliance.

[More details](#)

## *Undergraduate Education*

### **Undergraduate—PhysTEC**

The APS is initiating a program to improve the undergraduate education of future science teachers. Through a grant from the NSF, the Physics Teacher Education Coalition will be established through a program involving the efforts of education and physics departments at more than twenty universities and colleges.

[More details](#)

## Undergraduate Education—Task Force

The APS, the AAPT, and the AIP have established the National Task Force on Undergraduate Physics to provide advice to the physics organizations and to the physics community on the reform of undergraduate physics programs across the nation.

[More details](#)

## Undergraduate Education—Reports

- [Challenges in Physics Education](#) This series of papers summarizes major issues in current physics education. It is intended to promote discussion of constructive actions by the physics community. August 1998.
- [Physics Revitalization Conference](#), "Building Undergraduate Physics Programs for the 21st Century", October 1998

### *Women in Physics*

The [Committee on the Status of Women in Physics \(CSWP\)](#) offers a variety of programs and publications to address the encouragement and career development of women in physics. These include site visits to assess the climate for women in physics departments, the Gazette newsletter, and travel grants. The Roster lists names and qualifications of over 3500 of women and minorities in Physics. At each March and April APS meeting, CSWP co-sponsors a reception with the COM .

[More details](#)

### *Minorities in Physics*

The APS [Committee on Minorities \(COM\)](#) works to increase the number of historically under-represented minorities, notably African-Americans, Hispanic, and Native Americans, who earn degrees in physics and pursue successful careers in physics in the United States. COM conducts site visits and offers a corporate-sponsored scholarship for minorities. Other programs include the annual Edward A. Bouchet Award, travel grants, and the Roster which lists names and qualifications of over 3500 of women and minorities in Physics.

[More details](#)

### *Careers in Physics*

The [Committee on Careers and Professional Development](#) works to monitor the changing nature of careers and the employment market for physicists and physics students at all levels. CCPD attempts to understand the skills necessary for these groups to be successful in their careers and then disseminates this information to APS members, the larger physics community, and the public. One CCPD program that works to this end is the Career & Professional Development Liaison program. The CCPD is also charged with the coordination of all the career and professional development activities of the Society.

[More details](#)