Department of Energy Precollege Education Activities

Survey Report FY04

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In 1987 Department of Energy precollege program managers defined goals and components of precollege activities and designed a survey to gather information about the total DOE effort in the precollege area. The information has been updated annually to reflect the growth and development of precollege initiatives. The results reported here are based on information provided by program managers at the various facilities.

26 FACILITIES REPORTED:

22,495 TEACHERS AND 345,872 STUDENTS PARTICIPATED IN 286 ACTIVITIES.

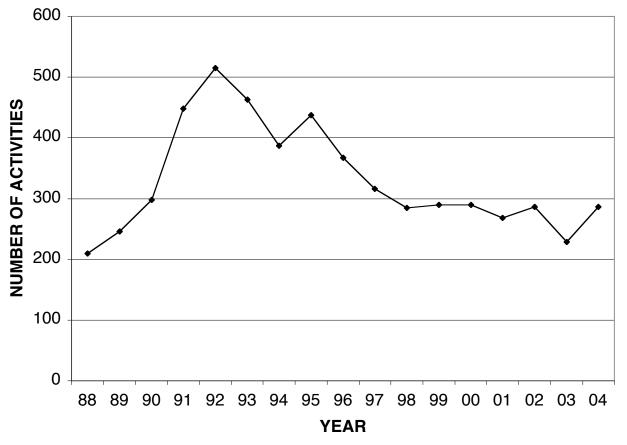
PROGRAM WEBSITES AT 4 FACILITIES RECEIVED 36,919,319 HITS.

The 26 facilities surveyed are: Ames Laboratory • Argonne National Laboratory • Bates Linear Accelerator Center • Bonneville Power Administration • Brookhaven National Laboratory • BWXT Pantex Plant • Federal Energy Technology Center • Fermi National Accelerator Laboratory • Fluor Daniel Fernald, Inc. • Honeywell Federal Manufacturing & Technologies - Kansas City Plant • Idaho National Engineering and Environmental Laboratory • Lawrence Berkeley National Laboratory • Lawrence Livermore National Laboratory • Los Alamos National Laboratory • National Energy Technology Laboratory • National Renewable Energy Laboratory • NNSA Nevada Operations Office • Oak Ridge Institute for Science and Education • Oak Ridge National Laboratory • Pacific Northwest National Laboratory • Princeton Plasma Physics Laboratory • Sandia National Laboratories - CA • Sandia National Laboratories - NM • Savannah River Westinghouse • Stanford Linear Accelerator Center • Thomas Jefferson National Accelerator Facility • University of Georgia Savannah River Ecology Laboratory

THE FOLLOWING GRAPHS SHOW:

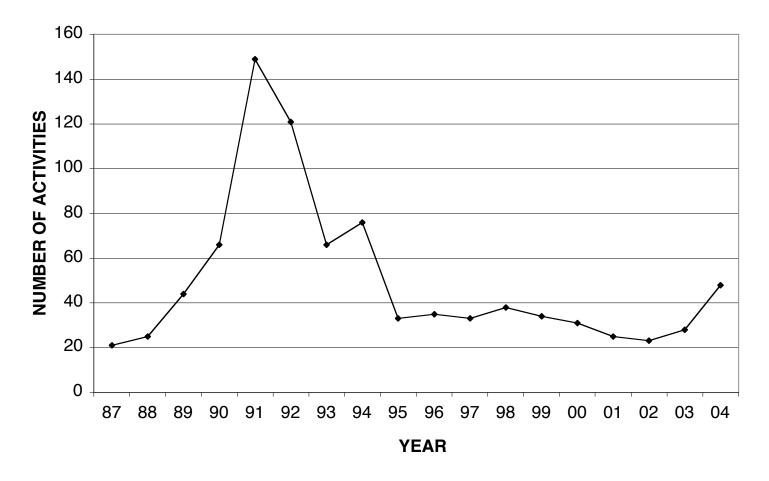
- Page 2. Number of Precollege Activities 1988-2003
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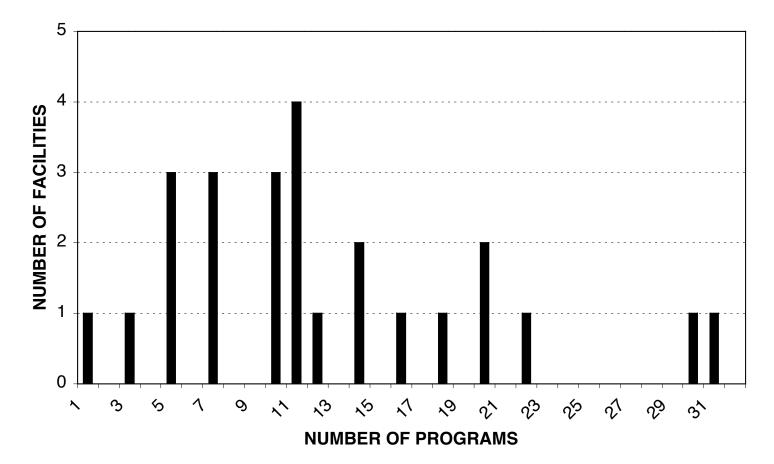
NUMBER OF PRECOLLEGE ACTIVITIES EACH YEAR

Data reported here are only for activities that have been offered again in FY04.



NUMBER OF NEW PRECOLLEGE ACTIVITIES EACH YEAR

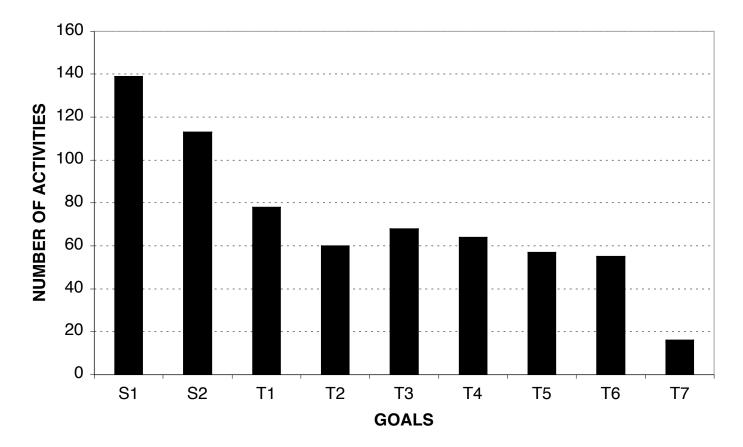
Each year facilities offer some new activities.



NUMBER OF FY04 PRECOLLEGE ACTIVITIES BY FACILITY

The 286 activities are sponsored by or offered at 26 different facilities in FY04.

FY04 PRECOLLEGE ACTIVITY GOALS

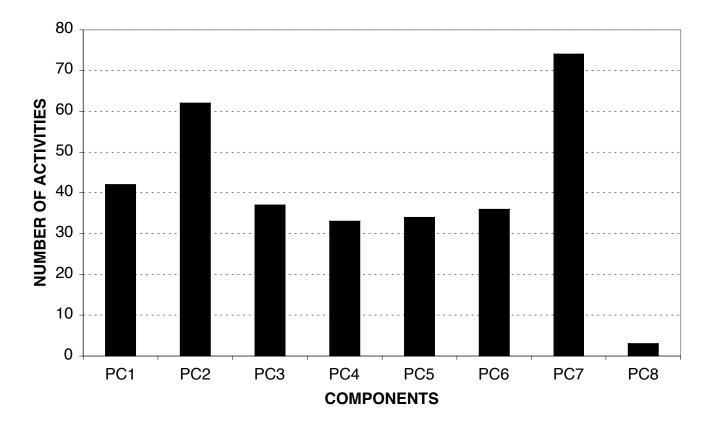


The goals of 217 activities are reported in FY04. Individual programs may fulfill more than one goal.

- S1 Enhance Interest in Science Careers
- S2 Enhance Scientific Literacy

- T1 Enhance Content Knowledge
- T2 Improve Instructional Strategies
- T3 Increase Career Awareness
- T4 Understand Science-Technology-Society Relationships
- T5 Enhance Instructional Materials
- T6 Provide Resources and Equipment
- T7 Reward Excellent Teaching

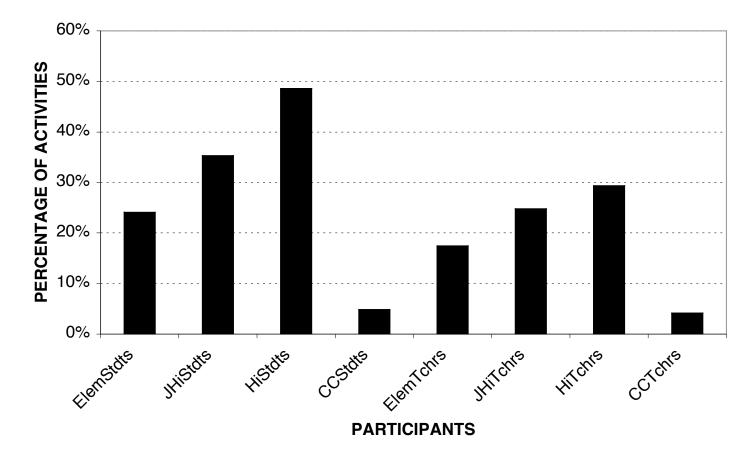
FY04 PRECOLLEGE ACTIVITY COMPONENTS



In FY04 215 activities are described by eight components. Individual programs may have more than one component.

- PC1 Research Participation
- PC2 Workshops and Institutes
- PC3 Instructional Materials
- PC4 In-house Tours
- PC5 Direct Classroom Instruction
- PC6 Community Outreach
- PC7 Special Events
- PC8 Websites

TYPE OF PARTICIPANTS IN FY04 PRECOLLEGE ACTIVITIES



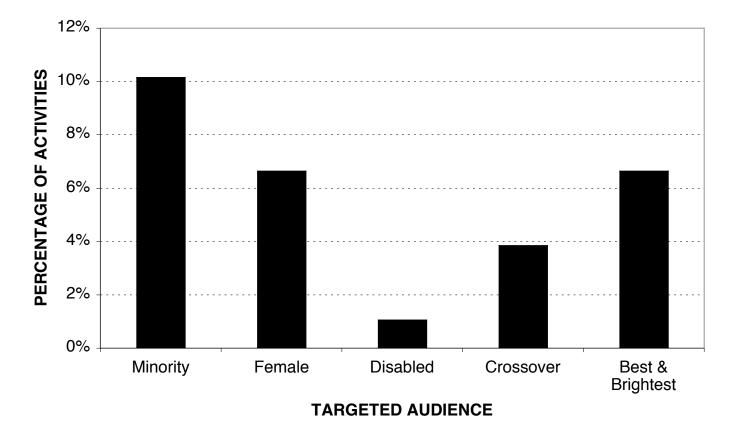
The 286 activities were conducted in FY04 for students, for teachers or for both groups.

ElemStdts	= Elementary School Students
JHiStdts	= Junior High School Students
HiStdts	= High School Students
CCStdts*	= Community College Students

- ElemTchrs = Elementary School Teachers JHiTchrs = Junior High School Teachers
- HiTchrs = High School Teachers
- CCTchrs* = Community College Faculty

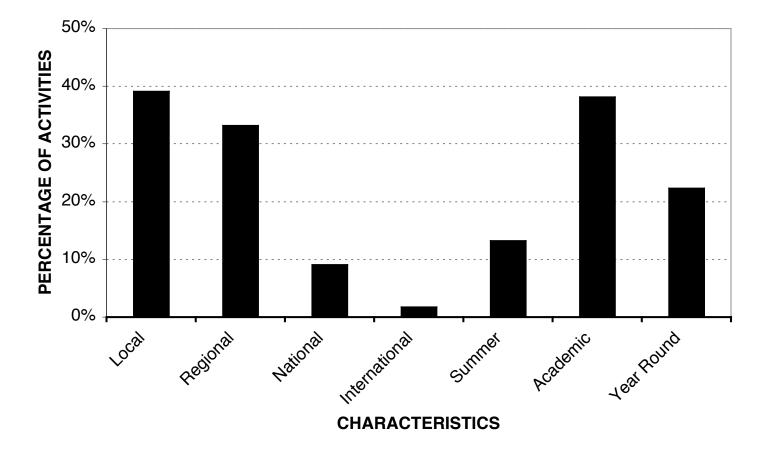
*Community college participants are reported only for those programs with K-12 participants.

TARGETED AUDIENCE FOR FY04 PRECOLLEGE ACTIVITIES



In FY04 some activities target specific audiences; most do not.

FY04 PRECOLLEGE ACTIVITY CHARACTERISTICS



FY04 activity characteristics-geographic area served and time of year program is held.