Fostering a STEM workforce

Fermilab partners with educators to introduce youth to the world of science and trains college and university students in high-tech research and development.

Statistics

K–12 students	FY2014	FY2015
Students participating in activities at Fermilab	17,226	16,253
Students visited in classrooms by Fermilab staff	25,790	26,279

K–12 teachers	FY2014	FY2015
Educators attending workshops at Fermilab	192	342
Educators using the Teacher Resource Center	158	251
Teachers holding summer research internships	9	9

College & university students & adults	
Ph.D. degrees received from research at Fermilab	2,138 since 1974
Students involved in on-site programs or internships	About 1,000 every year
Public tour participants	5,975 in 2015

Activities

Fermilab operates a Teacher Resource Center and the Lederman Science Center, a free hands-on science education center that hosts more than 3,000 walk-in visitors and about 10,000 students on field trips every year.

Fermilab staff members serve as mentors to high school students for periods ranging from 6 weeks to 8 months. Students learn how scientists pursue discoveries in science, engineering and computing.

The Saturday Morning Physics program offers a nine-week course for about 300 local high-school students a year.

The national QuarkNet program, led from Fermilab, involves about 500 high school physics teachers and gives their students hands-on research experience as part of an international scientific collaboration.

Every year more than 3,000 local residents meet with physicists, engineers and computer specialists at Fermilab as part of the Ask-a-Scientist program, held on Sunday afternoons and at special events.

Fermilab offers internships for college students studying science, engineering, computing, ecology and science journalism.

Learn more about Fermilab's Education Office at ed.fnal.gov.