

Program-Title	Pre-College Aerospace Education		STEM Inventory	<u>Entry#</u> 152
Org-Type	Professional Association-based			
Lead	American Institute of Aeronautics & Astronautics (AIAA)	PoC	Dean Davis	
PoC-Phone	310-364-8311	PoC-Email	dean.e.davis@boeing.com	
Address	999 N. Sepulveda Blvd., Suite 440, El Segundo, CA - 90245			
URL	AIAA.com			
Service-Region	Nationwide			
Type	Professional Development for Teachers Student Program Resources			
Subjects	General Science Math Physics Earth Science Space Computer Science Environmental Science Engineering Robotics Technology Other			
Level	Pre-School Elementary School (K-5th grade) Middle School (5-8th grade) High School (9-12th grade) Professional Development Retirees/Career-changers			
Other-Objectives	Demonstrate the creativity, aw, and wonder of the scientific and engineering process and how this work helps mankind solve it's major problems and answer significant questions.			
Served-per-Year	15,000 students	Demographics	Women American Indian Asian and/or Pacific Islander Black or African American Hispanic or Latino Economically disadvantaged Other	
Content	K-12 Teachers can become AIAA Educator Associate Members for Free (\$80 value). They can then qualify for \$200 Aerospace Science Grant for their classrooms, free access to all AIAA and NASA publications, and ability to attend AIAA conferences for free or low cost. AIAA provides aerospace scientist and engineer guest speakers with interactive "hands-on" technology demonstrations to schools. Our Engineers & Scientists are available to help schools operate career days, science fairs, space days, science days, etc. We can provide advice to enhance aerospace education programs and offer many physics, astronomy, meteorology, geology, aeronautics and astronautics teaching tools for the classroom.			
Outcomes	Increased levels of students entering Science, Technology, Engineering and Mathematics (STEM) programs to feed the aerospace industry workforce.			
Started	75 Years ago.	Funded-Through	Forever.	
Length	Ongoing	Cost	Free	
Primary-Funding	Foundation Industry Donations	Primary-\$		
Materials	AIAA Experienced Engineers & Scientists with: bubble makers, kites, glyders, hot-air balloons, radio-controlled air ships, radio-controlled aircraft, radio-controlled helicopters, radio-controlled dragonflies, alka-seltzer pop-rockets, air-propelled stomp			
Other-Funding				
How-Assessed	Programs are reviewed by AIAA national office annually for pre-college STEM educational outreach program quality and quantity of students and teachers served.			
Best-Practice-Why	Yes. For 2006 and 2007 our Los Angeles AIAA Section has won the nation's top prize for educational outreach, Harry Staubs First Prize for Very Large Section Educational Outreach.			
Promising-Practice	Yes.			
Sponsor	Sponsor-Org			
Sponsor-Phone	Sponsor-Email			
Other-Orgs	Every academic, corporate and government organization involved with aerospace. Boeing, Lockheed Martin, Northrop Grumman, Raytheon, Aerospace Corporation, NASA, U.S. Air Force, U.S. Navy, U.S. Army, U.S. Marine Corps, NOAA, DOT, FAA, DOE, etc.			