

Org-Type	Non-Profit-based		
Lead	Voyages Through Time: An Integrated High School Science Curriculum	PoC	Pamela Harman
PoC-Phone	650-961-6633	PoC-Email	pharman@seti.org
Address			
URL			
Service-Region	Nationwide		
Type	Professional Development for Teachers		
Subjects	General Science		
Level	High School (9-12th grade)		
Other-Objectives			
Served-per-Year	Demographics		
Content	<p>Voyages Through Time: A standards-based curriculum for a high school integrated science course centered on the unifying theme of evolution. The curriculum is presented in 6 technology-based modules: Cosmic Evolution, Planetary Evolution, Origin of Life, Evolution of Life, Hominid Evolution, and Evolution of Technology. Together, they comprise a year-long course; individually, the modules can be integrated into discipline based courses such as earth and space science, biology, physics, etc. Each summer, we train 20-25 high school teacher-leaders in ASSET: Astrobiology Summer Science Experience for Teachers at San Francisco State University. Teachers apply, are selected, and funded. They commit to providing professional development for other educators in their home communities. We have approx. 90 mentor teachers in more than 20 states. They present workshops, mentor other teachers, and implement the curriculum at their schools.</p>		
Outcomes	<p>Our goal is to provide excellent curriculum materials that bring cutting edge science to the classroom, support teaching the major concepts in science in an integrated course that includes the historical sweep of science (via timeline activities), computer/data base experiences that engage students with scientific data, and inquiry-based activities. The curriculum is based upon the "5 E's" model: Engage, Explore, Explain, Elaborate, and Evaluate, a proven model of instruction. Teacher materials and student data-base activities, media, and print materials are provided on CD-ROMs. Separately, collected science articles comprise the student readers for each module.</p>		
Started	Funded-Through		
Length	Cost		
Primary-Funding	Primary-\$		
Materials			
Other-Funding			
How-Assessed			
Best-Practice-Why			
Promising-Practice			
Sponsor	Sponsor-Org		
Sponsor-Phone	Sponsor-Email		
Other-Orgs	San Francisco State University NASA Ames Research Center NASA Astrobiology Institute California Academy of Sciences		