

Org-Type	Non-Profit-based		
Lead	Columbia Memorial Space Science Learning Center	PoC	N/A
PoC-Phone	562-904-7286	PoC-Email	spomrehn@downeyca.org
Address	11111 Brookshire Avenue, Downey CA 90241		
URL			
Service-Region	Southern California		
Type	Professional Development for Teachers Student Program Lesson Plan		
Subjects	General Science Math Space Engineering Technology		
Level	Elementary School (K-5th grade) Middle School (5-8th grade) High School (9-12th grade)		
Other-Objectives			
Served-per-Year	Demographics		
Content	<p>While planning for the learning center is still in early stages, the following are some of the components that visitors to the learning center may find. A Challenger Learning Center, featuring an exciting simulated space mission. Students will work in teams at Mission Control and aboard a Space Station as they test their decision-making skills, solve problems and communicate by alternative means during this innovative space-themed science and math lesson. Teachers will use both pre- and post-flight activities that integrate the experience into traditional classroom instruction. At the Space Science Discovery Zone, visitors will find a variety of interactive exhibits that help them explore subjects such as the principles of flight, living in space, the search for life beyond earth, and the origins of the universe. The Mars Robotics Lab will allow young visitors the opportunity to design and program their own robots in order to complete a remote exploration mission to the planet Mars. Aerospace Resource Center and Research Library: In conjunction with the Aerospace Legacy Foundation. We are currently cataloging hundreds of artifacts and records left in place at the former NASA site. These will become the core of a research archive which will specialize in the history of aviation and aerospace development at the Downey site. An oral history project is also planned to help capture a historical perspective based on personal experiences of those who worked at the site. Historical Displays will help to tell the story of the men and women who contributed to the spirit of invention and innovation that drove the development of the aviation and aerospace in Downey, Southern California, and beyond.</p>		
Outcomes	<p>The program aims to educate and inspire students to take interest in science and math, by means of using a space-theme to capture their minds. At the Learning Center students will also be able to design and program robots that will further build their interest in science and math. When the Learning Center is finally completed there will have more projects/programs to inform and influence students in pursuing science and technology.</p>		
Started		Funded-Through	
Length	Ongoing	Cost	
Primary-Funding	Government Donations	Primary-\$	
Materials			
Other-Funding	NASA, City of Downey, and the Financial Partners Credit Union are the main funders.		
How-Assessed			
Best-Practice-Why			
Promising-Practice	<p>The advisory committee envisions the space center to be something like this: "When the Space Science Learning Center in Downey opens on the 160-acre former Boeing/NASA site development, it will serve people of all ages and will be recognized as an important regional and national center of learning. It will operate as a division of the Department of Community Services of the City of Downey (City), and [will be] assisted in its fundraising and marketing activities by a nonprofit organization." "Educational programs will contribute to a more scientifically and technologically literate citizenry, and exhibits will commemorate the history of the aerospace industry in Downey. The Learning Center will symbolize the multi-faceted science and technology learning activities conducted in the building and via distance learning throughout the United States and the world." "The Learning Center will be a popular meeting place for social and business groups and will be utilized throughout the day and into the evening by youth, educators, families, and community members participating in educational and public programs and activities."</p>		
Sponsor		Sponsor-Org	
Sponsor-Phone		Sponsor-Email	
Other-Orgs	Los Angeles County Office of Education NASA NASA JPL Aerospace Legacy Foundation (ALF)		