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|--------------------|---|----------------|------------------|
| Org-Type | Industry-based Non-Profit-based | | |
| Lead | Zero Gravity Corporation | PoC | Gwendolyn Anello |
| PoC-Phone | 1-800-937-6480 ext. 717 | PoC-Email | N/A |
| Address | 5275 Arville Street, Suite 116, Las Vegas NV 89118 | | |
| URL | | | |
| Service-Region | Nationwide | | |
| Type | Professional Development for Teachers Student Program Lesson Plan Resources | | |
| Subjects | General Science Space Engineering Technology | | |
| Level | Elementary School (K-5th grade) Middle School (5-8th grade) High School (9-12th grade) Undergraduate Graduate Professional Development | | |
| Other-Objectives | | | |
| Served-per-Year | Demographics | | |
| Content | <p>Zero Gravity Corporation (ZERO-G) is a privately held space entertainment and tourism company. Its mission is to bring the excitement and adventure of weightlessness to the public through a safe, fun and cost-effective experience. ZERO-G is the first and only FAA-approved provider of commercial weightless flights for the general public; The ZERO-G Experience™ launched in October 2004. ZERO-G has since successfully flown more than 2,500 passengers aboard 100 flights. In 2006, ZERO-G joined with Northrop Grumman, sponsor of the Weightless Flights of Discovery, an innovative science and engineering education program that incorporates zero-gravity flight experiences for teachers. The program utilizes hands-on science workshops and ZERO-G's unique weightless flights to help educators share the fun and excitement of science, technology, engineering and math with their students. The program realizes ZERO-G's mission to utilize its capabilities for the public sector as a way to further teacher and student knowledge and understanding of science, while inspiring the next generation of space explorers. In its inaugural year, the program hosted 250 teachers representing 49 states, five U.S territories and 24 countries. In 2007, ZERO-G and Northrop Grumman strive to fly approximately 400 teachers and college students.</p> <p>How Weightless Flight is Conducted: ZERO-G conducts its weightless flights aboard G-Force One – a specially modified Boeing 727-200 aircraft. Able to accommodate up to 35 Flyers and six crew members, G-Force One is licensed at the highest levels of safety with the FAA following extensive testing and evaluations in coordination with the FAA. G-Force One flies a parabolic flight maneuvers – a controlled ascent and descent of that creates temporary weightlessness or reduced gravity. This is the identical weightless flight experience used by NASA to train its astronauts and used by Ron Howard and Tom Hanks to film Apollo-13.</p> | | |
| Outcomes | <p>While the ZERO-G flights are open to the public the program we have together with Northrop Grumman is the first of its kind. The program provided professional development for almost 250 teachers from 49 states and 22 countries during the summer of 2006. ZERO-G and Northrop Grumman hope that through the experiences of their teachers students will see the fun and excitement in science, technology, engineering.</p> | | |
| Started | | Funded-Through | |
| Length | | Cost | |
| Primary-Funding | Industry | Primary-\$ | |
| Materials | | | |
| Other-Funding | | | |
| How-Assessed | | | |
| Best-Practice-Why | | | |
| Promising-Practice | | | |
| Sponsor | | Sponsor-Org | |
| Sponsor-Phone | | Sponsor-Email | |
| Other-Orgs | Northrup Grumman Sharper Image Corporation Amerijet International, Inc. | | |