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| Program-Title | Future Scientists and Engineers of America | STEM Inventory | <u>Entry#</u> 153 |
| Org-Type | Non-Profit-based | | |
| Lead | Discovery Science Center | PoC | Keith Brush |
| PoC-Phone | 714-229-2224 | PoC-Email | kab@fsea.org |
| Address | Discovery Science Center 2500 North Main Street Santa Ana, CA 92705 | | |
| URL | www.fsea.org | | |
| Service-Region | Nationwide | | |
| Type | Student Program | | |
| Subjects | General Science Biology Chemistry Physics Earth Science Space Engineering Robotics | | |
| Level | Middle School (5-8th grade) High School (9-12th grade) | | |
| Other-Objectives | FSEA after school programs provide national, year-long, after school enrichment programs that impassion 4th – 12th grade students, in the fields of science and engineering, in an effort to encourage greater numbers of young people to pursue higher education and a career in those fields. | | |
| Served-per-Year | 4000 | Demographics | |
| Content | FSEA programs engage the students in innovative, hands-on, STEM (Science, Technology, Engineering and Mathematics) content-rich projects and real-world investigations. These long-term projects develop teamwork, leadership, and problem-solving skills ~ all enviable traits as future employees and responsible citizens. | | |
| Outcomes | FSEA's goals are to develop teamwork, leadership, and problem-solving skills and move students into a career in science and engineering fields. | | |
| Started | 1993 | Funded-Through | on-going |
| Length | Ongoing | Cost | \$1550 per 10-week unit |
| Primary-Funding | Other | Primary-\$ | Most of this program is user-pay funded. Some programs are subsidized by corporations and governmental agencies. |
| Materials | Participants in FSEA programs are given all the materials necessary to complete 10 weeks of educational programs. | | |
| Other-Funding | | | |
| How-Assessed | The programs are assessed through surveys, focus groups, and online questionnaires. | | |
| Best-Practice-Why | FSEA and its founder has won several awards for this national program. | | |
| Promising-Practice | We believe that participation in the Future Scientists and Engineers of America program will result in widening the academic and career pipeline for students of all demographics to secure a successful career in the fields of science and engineering. This is a "turn-key" program that can be disseminated nationwide. Accompanying this program are curriculum packets, hands-on materials, and training DVDs that will engage and encourage the instructor. | | |
| Sponsor | Future Scientists and Engineers of America | Sponsor-Org | Discovery Science Center |
| Sponsor-Phone | 714-229-2224 | Sponsor-Email | kab@fsea.org |
| Other-Orgs | FSEA is a division of Discovery Science Center, Santa Ana, CA. | | |