

|                    |  |                                |                        |
|--------------------|--|--------------------------------|------------------------|
| Org-Type           | Non-Profit-based   |                                |                        |
| Lead               | Castle Challenger Learning Center Foundation   | PoC                            | N/A                    |
| PoC-Phone          | 209-726-0296   | PoC-Email                      | info@challengersjv.org |
| Address            | 3460 Challenger Way, Atwater CA 95301  |                                |                        |
| URL                |  |                                |                        |
| Service-Region     | San Joaquin Valley   |                                |                        |
| Type               | Student Program  |                                |                        |
| Subjects           | Physics Space Engineering Robotics Technology  |                                |                        |
| Level              | Elementary School (K-5th grade) Middle School (5-8th grade) High School (9-12th grade)   |                                |                        |
| Other-Objectives   |  |                                |                        |
| Served-per-Year    | <a href="#">Demographics</a>   |                                |                        |
| Content            | <p>At the Challenger Learning Center students grades 4 and up can participate in one of many programs that we offer. Our programs allow them to choose what they are interested in and provide them with lots of resources to aid their learning. Below are just a few of the programs that we offer, each is listed with a short description. Space Missions Individuals become Mission Specialists selected to serve on one of the eight teams critical to the success of this mission. From the operations deck of the spacecraft to the rows of monitors at Mission Control, teamwork is essential. Each crew member will have an opportunity to experience both Mission Control and a spacecraft crew station. We offer three mission scenarios. Creative Car Building Using common objects found around the house and a supplied motor and battery, students construct an electric car. This is an open-ended activity ideal for extension back in the classroom. A very simple design can be modified to develop the techniques of scientific investigation, one variable at a time. \$200 + \$3 per student for materials Rocketry Programs Chemical Rockets: Blast into science with student constructed rockets powered by solid rocket fuel engines that can soar to unbelievable heights. Energy stored in chemical form is released at launch. The best flights will come from rockets constructed with the least aerodynamic drag and the most stable flight. Stomp Rockets Students construct rockets from a pattern. The rockets are propelled across an auditorium by students stomping on a plastic soda bottle full of compressed air. \$150 per group of 36 students</p> |                                |                        |
| Outcomes           | Our programs are dedicated to teach students the importance of problem solving, teamwork, and communication.   |                                |                        |
| Started            |  | <a href="#">Funded-Through</a> |                        |
| Length             | Ongoing  | <a href="#">Cost</a>           |                        |
| Primary-Funding    |  | <a href="#">Primary-\$</a>     |                        |
| Materials          |  |                                |                        |
| Other-Funding      |  |                                |                        |
| How-Assessed       |  |                                |                        |
| Best-Practice-Why  |  |                                |                        |
| Promising-Practice |  |                                |                        |
| Sponsor            |  | <a href="#">Sponsor-Org</a>    |                        |
| Sponsor-Phone      |  | <a href="#">Sponsor-Email</a>  |                        |
| Other-Orgs         |  |                                |                        |