

Science Club

Bilingual (English-Spanish)

For 3rd, 4th, and 5th graders

The program will integrate earth science, physical science, and life science in a real and fun way.

The students will participate in different projects, like:

- **Real food chain.** At the end of every class, we will observe a live animal, and discuss important facts about this animal and the relationship in the food chain. We will observe animals like: different types of snakes, iguanas, bearded dragons, turtles, ferrets, gerbils, guinea pigs, birds, and others.
- **Atmosphere:** We will do different experiments to demonstrate the air pressure and the global warming (greenhouse effect).
- **Density:** We will apply the principles of density to create a submarine, and a hot air balloon.
- **Chemical reactions:** We will construct a car. In this projects the participants will apply their knowledge of geometry (perimeter, area and volume), and the chemical reactions of vinegar, baking soda, and dry ice to create the fuel that will impulse the car.
- **Dissection of a frog:** They will study the anatomy of a frog.
- **Dissection of owl pellets:** They will find the bones in the owl pellets, to discover the food chain of the barn owl.
- **Growing different kind of plants:** In this project we will start growing different plants, and the students will be able to take them home. They will use math/fractions to mix the soil.
- **No Newtonian fluids & the use of polymers:** They will mix different chemical components to study the properties of the polymers and the use of these chemicals in agriculture and in the industry (like soil and diapers).
- **Creation and explosion of volcanoes:** We will discuss the different kind of volcanoes, and they will create one, and at the end we will make it to explode.
- **Rockets:** The participants will create a rocket, and we will launch it.
- **Sources of energy:** We will discuss renewable resources and nonrenewable resources. The participants will create a solar oven and inflate a 50 foot solar balloon.
- **Phases of matter:** Study the changes of matter, and do projects, like a hockey game with dry ice.

WHEN: Fridays from 3:15 PM to 4:15 PM

January 6 to May 18, 2012

COST: \$170

INSTRUCTORS: Mr. Lobo and Mrs. Briz

Please return the bottom portion of this form to the office, with the check made payable to Gilberto Lobo or Martha Briz

Any student not picked up on time will be taken to daycare.

Science Club with Mr. Lobo and Mrs. Briz

My son/daughter is in grade: _____ Teacher: _____

Allergies: _____

Child's name: _____ has my permission to attend the after school Science Club

Parent's name and signature: _____ Phone #s _____

Take my son/daughter to daycare after the Science Club program: Yes (___) No (___)