

PCY SCIENCE CLUB CATALOGUE FOR 2009-2010

(changes since last publication are in green)

(subsequent changes in purple)

To register, first contact those who are leading the section to be sure that it is what you expect. If you still wish to register, copy and print the registration form at the end of the catalogue. Return the completed form (one hard copy per section, please), along with \$15 for each section for which you are registering. The fees may be combined onto one check.

Make checks payable to “PCY PTA”. No cash or credit cards, please.

Please send checks and registration to:

Pam Raymer-Lea, 822 Parkman Dr., La Canada, CA 91011

Leaving your registration at the PCY office will only delay your registration.

Each section can use one or more parent who is willing to help out. Please indicate your interest in helping on the registration form AND by contacting Pam Raymer-Lea at 818 952-5590 pamraymerlea@aol.com.

There will be an organizational meeting of the club on Wednesday, September 30th at 7:15pm. It will be held in the PCY Cafeteria and will be the only time the Club meets as a whole. The first meeting of most sections will be in October.

“FLIGHT SCIENCE” AND “HANDS ON SCIENCE” ARE CURRENTLY FULL.

If you wish to have your name on a waiting list for those sections, please fill out the 2-page registration form below and submit it with your check.. If you do not get into your chosen section, your uncashed check will be returned to you.

If you are on the waiting list, it is extra important that you come to the first organizational meeting on Wednesday, September 30th at 7:15 in the PCY cafeteria. That is when we will discover if anyone is dropping a section, if a leader has added more spaces, or if anything else has happened which might make room for your child in the section of his or her choice. If your name is called and you are not there, you will be skipped over and the next child in line will get the registration.

Flight Science (airplanes and rockets)

We'll learn about airplanes, build and launch rockets, visit the Chino Air Museum, CalTech, JPL and Edwards Air Force Base, have paper airplane races, etc.

- Kindergarten-2nd grades.
- Max of 15-20 kids, will require adult participation (no drop offs).
- Our section will meet mostly on weekends, but we'll have a small group so will have flexibility. Meetings will be monthly or more often as events present themselves.

SUSANNA AND DOUG GRIFFITH - 818-952-1780 – GRIFTOY@gmail.com

Doug majored in aerospace engineering and was a US Marine Corps SuperCobra pilot for many years. Now he practices aviation law. He has a private pilot license and flies for fun.

Hands-on Science

An all new Overview: We will take the children's interests and fly with it. Hands-on experiments, projects and field trips to entice the mind.

- K-4th grades, parent volunteers welcome.
- Meeting once a month on Thursdays, tentatively.
- **Parents will be asked to volunteer to help with two sessions**
- No more than 20 kids.
- We will meet at PCY.

CAMILLA HARTMAN – cbhartman@sbcglobal.net

Camilla Hartman is a progressive hands-on teacher with 15 years of experience. Her goal is to evoke the love of science, asking questions, and problem-solving.

Medicine and Life Science

Students concentrate on selected medical topics which the students will chose. There will be presentations by physicians and other health professionals. Last year the group covered microbiology, bacteriology, DNA, radiology, the brain, radiation, world health, global warming, plastic surgery and a general health fair. There will be several tours of medical facilities at the hospital.

- 4th -6th grades, parent volunteers welcome.
- Max of 15 kids.
- Meeting monthly on Mondays 4:20-5:30, tentatively.
- We will meet at the Huntington Hospital outpatient pavilion.

DR. RUTH WILLIAMSON McNULTY – DrRuthW@aol.com

Ruth is a radiation oncologist at Huntington Hospital, and medical director of both Radiation Oncology and The Breast Center there. She specializes in cancers of the breast

and skin. Ruth is a graduate of USC medical school and has two kids at PCY Lisa(12), and Tommy(9).

What's New at the Zoo?

Zoo excursions for special presentations on animals.

- 2nd-4th grades, siblings welcome
- Max of 15 kids.
- 4 **Monday** sessions throughout year **with an additional field trip**
- We will meet **at PCY**.

TRACY LEE (HIGA) – tracyjlee@hotmail.com

Tracy's undergraduate degrees were in Chemistry and in Biological Sciences with an emphasis in Molecular Biology. Tracy enjoys Life Sciences.

Explorations in Chemistry

This is a hands- on discovery program that will focus on broad chemical concepts such as atomic structure, behavior of elements, and chemical bonding.

- 5th and 6th grades, Interested parents are welcome to join us and will be engaged as assistants.
- Max of 14 students
(Participation will be restricted to students who demonstrate a serious interest in the activities and display appropriate behavior. If more than one warning is necessary the student will be asked to find another program since we will be working with some costly and potentially dangerous materials.)
- **Even Numbered** Thursdays after school for 90 minutes - twice monthly except September and June. **December 3rd will take the place of Thanksgiving.**
- We will meet at PCY.

MRS. ROSE HARRIS – 818 790-8291 – rose.m.harris@att.net

Mrs. Harris retired last year after 18 years as the science department lab tech at LCHS. She was a chemistry teacher at another school for a number of years and has taught GATE classes in both La Crescenta and at LCE. Mrs. Harris has a background in geology, oceanography, astronomy and biology. She is also the former Girl Scout leader of Mrs. Amy Wawrychuk.

Mrs. Harris' husband, Dr. Alan Harris, retired from JPL as a Senior Scientist focused on comets, asteroids and meteors and currently is very busy as a consultant in the field. Her children Don, David, and Catherine are PCY graduates and now are very happy as parents, engineers, and a biology teacher.

Planetary Exploration

We will learn about interesting aspects of robotic planetary missions conducted by JPL for NASA. We will include the Cassini Saturn mission, the Dawn asteroid belt mission, Mars missions, and possibly other NASA projects. Presentations will be lead by engineers and scientists from the Jet Propulsion Laboratory and will include in-depth discussions of planetary exploration.

- 3rd-6th (all are welcome, but please be aware that below 3rd grade students may find the discussions challenging)
- Meeting at least four times and possibly once a month for 90 minutes on Wednesdays after school, tentatively.
- We will meet at PCY and possibly JPL.

KAREEM BADARUDDIN – 818 790-6395 - kareem.s.badaruddin@jpl.nasa.gov

Kareem is an engineer who manages flight hardware test facilities at JPL. Kareem is a Ramblin' Wreck from Georgia Tech and has two children at PCY: Bryce (6th grade), and Simone (2nd grade).

Imagine Mars

Inspires young people to first imagine and then design a livable community for 100 people on the planet Mars. Students will decide what cultural, scientific and artistic elements are important to a community's success. They discover the extreme Martian environment and imagine what life might be like on the red planet. Finally, they create a group project (model and/or document) that reflects their knowledge of Mars, understanding of community, and hopes for the future. Imagine Mars will not only stretch the kids' imaginations, but their view of their community, their planet, their universe, and most importantly, their potential. **Our PCY group has been invited to present their inventions for living on Mars to the scientists at JPL/NASA in an assembly at JPL in May.** The program is further outlined by JPL/NASA/NEA at this website: <http://imaginemars.jpl.nasa.gov/index2.html> . Films and documentary programs about Mars will be heavily referenced and discussed.

- 3rd-6th grades, parent volunteers and participants encouraged.
- Max of 40 kids. Enrollment will be tied to the number of parents involved. (8 or fewer kids for each parent volunteer is desirable.)
- Meeting twice a month for 2 hours at a time on Fridays, 3:15 to 5:15, tentatively. There will be no meetings in September, one in November, one in December, and one in June. (15 total meetings)
- We will meet at PCY and possibly other locations.

PAM RAYMER-LEA – 818 952-5590 – pamraymerlea@aol.com

Pam is a jewelry maker, former filmmaker, and stay-at-home mom who, although not a scientist, has an intense interest in discovering the nature of the universe and how it works. She has a BFA in Studio Art, a MFA in Film Production, and an MEd in

Guidance and Counseling with College Administration. She enjoys having fun and finding hands-on ways to help kids understand confusing and complex concepts. Although she has taught film production at the college level, Pam is currently an Art Docent at PCY, teaching about famous artists, their lives, and works. She is also the founder of the PCY Science Club.

PCY SCIENCE CLUB '09 – '10
New Student Registration & Emergency Form

Student's Name _____ Grade _____
Last Name First Name

Address _____

City _____ Zip _____

Father/Guardian _____

Home Phone _____

Cell or Other Phone _____

E-Mail Address _____

Mother/Guardian _____

Home Phone _____

Cell or Other Phone _____

E-Mail Address _____

Health Insurance No ___ Yes ___

If yes, Name of Insurance Company _____

Policy Number _____

Health Problems (Please List)

Allergies No ___ Yes ___ List specific item(s) student is allergic to:

Describe allergic reaction and treatment:

Current Medication(s) No ___ Yes ___ If yes, Name of Medications(s)

Emergency Medical Authorization

In case I am/we the parents or guardians are unable to be reached during any emergency, I/we authorize a representative of the Science Club to seek emergency medical treatment for the above named student.

In the event of a disaster, if parents are not available, my child may be released to an adult familiar to him/her No ___ Yes ___

Media Permission

I/we GIVE permission for my/our student to be observed, interviewed, photographed and/or filmed when a representative of the science club is present. No ___ Yes ___

The signatures of BOTH parents are needed unless a single parent or guardian has sole legal custody.

Please Print Father/Guardian Full Name

Please print Mother/Guardian Full Name

Signature

Signature

Area of Interest Please circle one choice and return this form along with a **\$15 registration fee** (checks payable to: **PCY PTA**) to: **Pam Raymer-Lea, 822 Parkman Dr., La Canada, CA 91011 (Leaving your registration in the PCY office will only delay your registration.)**

Flight Science

What's New at the Zoo?

Hands-on Science

Planetary Exploration

Medicine

Imagine Mars

Explorations in Chemistry

Are You Willing to Help?

No ___ Yes ___

Only My Child's Section___

Any Section That Needs Help___

Thank You!