

Paul Robinson

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Education

- BA in Physics, University of California, Santa Barbara, 1973
- Secondary Credential, Physical Science/Math, San Jose State University, 1974
- MA in Physics, California State University, Fresno, 1984
- Coursework consisted of Advanced Theoretical Physics, Electronic Measurement and Instrumentation, Thin Film Techniques, Computer Interfacing, Lasers and Uses, Elementary Particles, Space Colonization

Teaching Experience

- San Mateo High School, 1997 – present, Physics, AP Physics
- Woodcreek High School, 1995 – 1997, Conceptual Physics, Honors Physics, Algebra
- American River College, Sacramento, 1993 – 1995, Physics, Astronomy Instructor
- Bullard High School, 1990 – 1993, Conceptual Physics, Honors Physics, AP Physics
- American River College, Sacramento, Spring Semester, 1990, Physics Instructor
- Edison Computech High School, 1983 – 1989, Physics/Physical Science/Math
- Clovis West High School, 1979 – 1983, AP Physics/Physics/Physical Science/Math
- Los Banos High School, 1974 – 1979, Physics/Astronomy/Math

Awards and Recognition

- *Presidential Award for Excellence in Science Teaching*, 1987
- Dick Scobee Scholarship", California Association for the Gifted, February 1987
- 1975 AAPT Mini-Grant for Innovative Teachers, 1987
- Distinguished Service Award, AAPT 1986

Professional & Other Activities

- 1980-2011 AAPT member and officer including, Program Chairman and Historian, National Council Representative, President, Northern California Section, Secretary, Vice-President for High Schools
- Hosted two AAPT meetings—first-ever held at high schools, 1983 & 1997
- Participant at NASA Workshop for Science and Math Teachers (NEWMAST), Ames Research Center, July 8-20, 1984
- Invited Panelist at Conference on Pre-College Education, Argonne National Laboratory, September 13-14, 1984
- Devised curriculum and raised funds for 8-day study trip for 7 students to Cape Canaveral, November 5-12, 1984.
- Devised curriculum and raised funds for 11 students to attend a 3-day GET AWAY SPECIAL Symposium held at NASA, Goddard Space Flight Center, October 5-8, 1985
- *Teacher in Space Applicant*, 1985
- Founder of *Laserpoint* (1979); Publisher and developer of educational software (1986-1997)
- Author of the *Laboratory Manual* to accompany Paul Hewitt's *Conceptual Physics: The High School Physics Program*, Addison-Wesley Co., published November, 1986
- Author of "Flying High", a *Space Science Curriculum Unit*
- Developed and published interfacing software (25 programs), 1986-1997 that accompany the *Conceptual Physics* lab manuals

- Invited Speaker at Cal-State Sonoma's "What Physicists Do" Lecture Series, April 1988, entitled, "*Physics First!*"
- Designated as a *Physics Teacher Resource Agent* (PTRA) by AAPT, January 1988
- Project Leader of "Project Physical Science" Lawrence Hall of Science, University of California Berkeley, Summer, 1989; training program for 70 teachers
- Author of *Laboratory Manual and Computer Activities*, published by Addison-Wesley, 1991 to accompany Sears, Zemansky, and Young *College Physics*, Beiser's *Physics*, and Jones and Childers *Contemporary College Physics* texts.
- Participant, *Particles and Interactions* workshop, SLAC, July, 1991.
- Author of the *Conceptual Physics Laboratory Manual* to accompany Paul Hewitt's *Conceptual Physics, 7th Edition*, Harper-Collins Publishers, published November, 1992.
- Organized and hosted the first *New Teacher Workshop* at NCN AAPT meetings in 1997 designed to assist and support new teachers.
- Organized a week-long "Space Week" in 1998 at San Mateo High School in which all teachers presented a lesson having to do with the space program while John Glenn was in orbit. Guest speakers included Chris McKay of NASA Ames and Seth Shostak of SETI.
- 2003, Organized *Physics Teacher SOS*—an organization that supports new teachers with three workshops during the school year funded by the Karl Brown Foundation
- Member of the Advisory Board for SETI, Mountain View, CA.
- PTSOS Lead Teacher, workshops to train and in-service new physics/science teachers 3 times per year since it's inception in 2003 to nearly 300 teachers
- NSTA, CSTA, and AAPT presenter, *The Physics of Baseball, How to Teach Physics Conceptually, and My Top 10 Labs and Demonstrations*
- "Pitching Physics—How to Teach Physics Using Baseball" co-authoring, with David Kagan of CSU, Chico

Other Interests and Hobbies

Baseball • Space • Trains • Boating • Photography • Tech/Video

Personal Philosophy

Teach by example. Be actively involved in learning, experimentation, and causes that are important to you. Share those experiences with student and the community.

