ROBOTS TO ROCKETS: ENERGY AND POWER FOR MACHINES

- **JOE BOOKATAUB**, *AP Physics, Honors and College Prep Physics, Conceptual Physics, and Biology/Physiology, Century HS, Santa Ana, CA*

EDUCATION: B.S. Biological Sciences, California State University, Chico; M.A., Education, National University; clear credential in biology and physics, with CLAD emphasis.

ACTIVITIES: Promoting technology in the classroom and computer-based assignments; participation in professional development conferences, including the AP Program Conference in Physics; coach for Century HS football and baseball athletic programs and mentor for student-athletes. Serves as advisor for the Mock Trial program.

ASTRONOMY AND ASTROPHYSICS

- **SEAN FLETCHER**, *Earth Science, Laguna Hills HS, Laguna Hills, CA*

EDUCATION: B.A. California State University, Long Beach; Clear Credential Social Science with additional authorization in Science (Geosciences).

ACTIVITIES: A broad range of student-centered school activities, including advisor for the Orange County Academic Decathlon, preparing students and teams to compete in a series of ten academic tests (including writing essays) and demonstrations. Additionally, serves as school coordinator for AVID. Professional development through the UCI Summer Science Institute in Earth Science.

TISSUE AND TUMOR BIOLOGY AND MATHEMATICAL MODELING

- **PHUONG VO**, *Honors and College Prep Chemistry, Century HS, Santa Ana, CA*

EDUCATION: B.A. Chemistry, California State University, Fullerton; Clear Credential Chemistry, CLAD Certification

ACTIVITIES: Mentoring students to prepare for the AP Exam and the Chemistry Olympia Exam, sponsored by the American Chemical Society; advisor for the Chemistry Club and MESA; professional development includes the Future of Science Conference, UCI, Technology Conference, California League of High Schools, AP by the Sea Summer Program, Teaching AP Chemistry, The College Board.

GLOBAL CHANGE CHEMISTRY AND BIOLOGY

- **ERIN ARREDONDO**, *Integrated Science I, Integrated Science II, and Anatomy and Physiology, Northwood HS, Irvine, CA*

EDUCATION: B.S. Neuroscience, University of California, Los Angeles; M.A. Education, Pepperdine; Single Subject Credential Biological Sciences, CLAD emphasis.

ACTIVITIES: Mentoring new teachers and serving as master teacher for student teacher; Molecular biology workshops for teachers, Air UCI's environmental chemistry teacher workshop; California Science Education Conference; swim and basketball coach

COMPUTER SOLUTIONS FOR MATHEMATICAL PUZZLES AND GAMES

- **CHI TRAN**, *Mathematics, Saddleback HS, Santa Ana, CA*

EDUCATION: B.S. Mathematics, University of California, Irvine; M.A. Teaching in Elementary and Secondary Education, University of California, Irvine; B.A. English, University of Ho Chi Minh City, Vietnam; Single Subject Credential, Mathematics.

ACTIVITIES: Designed and implemented lesson plans for AP Calculus, Algebra I and II, Probability and Statistics, and Geometry; math instructor for GEARUP and volunteer for MESA. Membership in Pi Lambda Theta, Phi Theta Kappa, National Council of Teachers of Mathematics. Recipient of the UCI Robert Noyce STEM Teaching Scholarship.

MATHEMATICS OF MUSIC: RHYTHM, TONES, AND SELF-EXPRESSION

- **ANIA BRISCOE**, *Resource Specialist (Mathematics), Saddleback HS, Santa Ana, CA*

EDUCATION: B.S. Computer Information Systems, California State Polytechnic University, Pomona; M.A. Music, Academy of Music, Krakow, Poland; Masters in Special Education Mild/Moderate and Credential, Azusa Pacific University; Clear Credential Single Subject, Music; CLAD Certification

ACTIVITIES: IT (previously conducted audits of data processing on network, mid-range, and mainframe computers, improving operations and security. CISA Certified - Computer Information Systems Auditor). Professional concert musician in Poland specializing in flute, piano, conducting and instruction. Develops student-centered lessons for special education students. Has keen interest in the nexus between computational skills and musical compositions.

SPECIAL TOPICS IN MARINE BIOLOGY

- **LISA FOX**, *Science/Science Department Chairperson, Northwood HS, Irvine, CA*

EDUCATION: B.S. Biological Sciences, University of California, Irvine; M.A. Education, University of California, Irvine; Clear Credential, Life Sciences, Supplemental Authorization in Chemistry.

ACTIVITIES: Leadership roles in the district curriculum council and administrative intern program; support provider for BTSA (Beginning Teacher Support and Assessment); WASC committee on leadership and Vision. Serves as advisor for the California Scholarship Federation; reader for the California Golden State Exam in Biology; and instructor Secondary Methods in Science Teaching at Concordia University, Irvine, CA.

WORLD OF MOLECULES: CHEMISTRY AT THE NANO-SCALE

- **LISA MICHLIN**, *Chemistry, Earth Science, Laguna Hills HS, Laguna Hills, CA*

EDUCATION: B.S. Chemistry, Chapman University; Clear Credential Single Subject, Physical Science, Chapman University; holds CLAD Credential.

ACTIVITIES: Advising and mentoring the Science Olympiad team competition, BTSA (Beginning Teacher Support and Assessment) Mentor. Professional development through participation in Air UCI (two summer project) and UCI Summer Science Institute, Project Physical Science and Science, Society & Technology.

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