

*Colby Partnership for Science Education
Faculty Resource Guide 2002-2003*

Department	Name <i>Email</i> @colby.edu	Areas of Expertise	Questions	Will Visit Classrooms K-3, 4-6, 7-8, 9-12	Will Host Trips to Colby	Notes
Biology	Dave Firmage <i>dhfirmag</i>	Plant ecology, Pollination ecology, Water quality, Environmental Studies	YES	4-12	7-12	
Biology	Bets Brown <i>bbrown</i>	Marine Biology, Human Reproductive Biology	YES	NO	NO	
Biology	Herb Wilson <i>whwilson</i>	Ornithology, Marine Biology, Ecology	YES	NO	NO	
Biology	Frank Fekete <i>fafekete</i>	Microbiology	YES	5-12	5-12	I would like to restrict most major outreach programs to the month of January.
Biology	Russell Johnson <i>rrjohnso</i>	Plant Biology, Seeds and Germination, Molecular Biology	YES	K-12	4-12	I am willing to give presentations on plant seeds in area classrooms.
Biology	Cathy Bevier <i>crbevier</i>	Animal Behavior, Behavioral Ecology, Physiological Ecology, Vertebrate Biology	YES	K-12	6-12	Not available 2002-2003

Biology	Judy Stone <i>jstone</i>	Evolution, field botany	YES	K-12	4-12	
Biology	Lynn Hannum <i>lghannum</i>	Immunology	YES	K-12	NO	
Chemistry	Rebecca Conry <i>rrconry</i>	Inorganic Chemistry, Bioinorganic Chemistry, X-ray Crystallography	Yes	K-12	6-12	
Chemistry	Whitney King <i>dwking</i>	Analytical Chemistry, Environmental Chemistry, Oceanography	YES	K-12	4-12	I am willing to perform chemical demonstrations in area classrooms
Chemistry	Julie Millard <i>jtmillar</i>	Biochemistry, Forensic DNA analysis	YES	K-12	4-12	I am willing to perform chemical demonstrations in area classrooms
Computer Science	Clare Bates Congdon <i>ccongdon</i>	Artificial intelligence, robotics, internet and web, computer art	YES	Possibly K-12, in consultation with teachers.	NO	
Computer Science	Dale Skrien <i>djskrien</i>	Java, computer music, algorithms	YES	7-12	NO	
Geology	Robert Gastaldo <i>ragastal</i>	Paleontology	YES	K-12	4-9	
Geology	Bob Nelson <i>renelson</i>	Glacial Geology, Surface Processes, Ice Age Climates, Modern and Fossil Insects	YES	K-10	4-10	Willing to lead afternoon or occasional weekend field trips to local sites with groups of up to 20 students; have mounted insects that can be brought to schools, many more at Colby, Happy to do intensive work with individual teachers or small groups.

Geology	Jennifer Shosa <i>jdshosa</i>	General Earth Science, Hydrogeology, Geochemistry	YES	K-12	7-12	I am willing to bring geologic samples and models into the K-12 classroom and conduct geologic activities and exercises with students. I am also willing to help teachers locate and access resources for teaching K-12 earth science and design activities that they can incorporate into their curriculum.
Mathematics	Bill Berlinghoff <i>wpberlin</i>	Abstract Algebra, History and Foundations of Mathematics, Various areas of high school math	YES	7-12	NO	I'm one of the Senior Writers of "MATH Connections"; a high school math curriculum based on the NCTM Standards and compatible with Maine's Learning Results.
Mathematics	Fernando Gouvea <i>fqgouvea</i>	History of Mathematics, Number Theory, Primes, Factorization, Equations	YES	9-12	NO	My history of mathematics course (taught alternate years) might be of interest to some local teachers.
Physics	Charlie Conover <i>cwconove</i>	Physics, Atomic and Molecular Physics, Nuclear Physics and Technology	Yes	K-12	NO	
Science, Technology and Society	James Fleming <i>jrflemin</i>	History of Science, STS, Atmospheric Science	Yes	No	8-12	

Calendar of CPSE outreach workshops Spring 2003

March

Winter Ecology (3/5)
Oceanography (3/11), Olin
Batteries and Cells
Physical Science
 Keyes Building, Colby
Human Body and Reproductive Biology
 Olin Building, Colby

April

Maine Amphibians

May

Bird workshop - Saturday in early May
Insect workshop
 Olin Building, Colby

For information about CPSE workshops, or to reserve a space, contact Jim Cook, Outreach Coordinator, at 872-5814, or email jscook@adelphia.net.

(Participants in CPSE workshops receive CEU credit and a stipend of \$12/hr)