

MESRP '01 Outreach
Classroom Implementation Projects Summary

Intern Name	CIP Title	Content Area	Grade Level
<i>So Yeon "Kelly" An</i>	Study of the Living Ocean	Earth Science, Environmental Science, Biology, Chemistry	6-8
<i>AnnMarie Bassolino</i>	Mini Unit on Turtles	Earth Science	7-8
<i>Julie Brown</i>	Assessing the Health of Our School Stream	Environmental Science	9
<i>Ron Hermann</i>	Implementing Biofilms to Observe Succession and Calculate Biodiversity of Aquatic Habitats	Biology, Marine Science, Ecology	9-12
<i>Jacqueline Johnson</i>	Effects of Stimulants on the Brain & Behavior	Biology	9
<i>Anthony Goodyear</i>	What's It Look Like? <i>Remote Sensing Lessons</i>	Earth Science, Astronomy, Geography	9-12
<i>Erin Greene</i>	Assateague Island National Seashore: A Very Special Place	General Science, Language Arts, Social Studies, Mathematics	4-6
<i>Stacy L. Markowitz</i>	Michael Bird-Boy: The Effect of Pollution on Plants	General Science, Language Arts	3
<i>Autumn Moore</i>	Using Careers in Space as a Jumpstart to 6 th Grade Astronomy	Astronomy	6
<i>Lisa Mutillo</i>	Biofilms and Biodiversity	Environmental Science, Biology, Ecology	4
<i>Pauline Oji</i>	DNA & Genetics	Life Science	8-12
<i>Donna Price</i>	Scanning Probe Microscopy Principles and Applications	Physics	11-2
<i>Michael Sivell</i>	Investigation of Crater Size Frequencies and Their Causes	Astronomy	11-12
<i>Kimberly Smith</i>	Interdependence & Interactions of Living Things	Biology	9-10
<i>Kimberly Smith</i>	Natural Forces on Earth	Earth/Space Science	9-10
<i>Kimberly Smith</i>	Chemistry & Society	Chemistry	9-10

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<i>Mandy Carver & Lois Tiffany</i>	The Box Turtle Dilemma	Ecology, Reading, Mathematics	6-8
<i>Chris Clermont</i>	Commercial Value of Polar Molecules	Chemistry	10-12
<i>Betsy Evans & Carole Ryan</i>	Arthropod Analysis: A Food Web Study	Environmental Science	11&12
<i>Nikki Friedland</i>	Conservation of Earth's Freshwater	Environmental Science, Ecology, Mathematics	5
<i>Nina Hoffman</i>	Magnetism & Electromagnetism	Physical Science	6-8
<i>Yovonda Ingram & Teisha Taylor</i>	Is the Ocean Just Blue?	Earth Science, Life Science	6-9
<i>Yovonda Ingram & Teisha Taylor</i>	All Dried Up	Earth Science, Social Studies	6-9
<i>Yovonda Ingram & Teisha Taylor</i>	Eye See You	Earth Science	6-9
<i>Jennifer Jarosinski & Kevin Voritskul</i>	The Immune System	Life Science	4-5
<i>Paul Marcantonio</i>	Exponential Functions	Mathematics	9-12
<i>Teresita Metzbower & Diane Musick</i>	Biomes of the World	Biology, Meteorology, Geography, Math	3-4
<i>Trisha Nyland</i>	Effects of Human Impact on Ecosystems	Ecology	6
<i>James O'Leary</i>	Technology Y2K	Technology Education	8
<i>Angeli Shah</i>	Organic Slime!	Ecology	6
<i>Melissa Stuckey</i>	The Effects of Drugs on the Human Body	Life Science, Health	6
<i>Jon VanDeventer</i>	Saving the Chesapeake Bay	Biology	9-10

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<i>Melanie Carr-Flanagan Nina Hoffman</i>	Cloud Type and Relative Humidity	Earth Science	8
<i>Chris Clermont</i>	Polymers & Polymerization	Chemistry	10-12
<i>Nsombi Davis</i>	Eruptions: Instructional Unit Plan on Volcanoes	Earth Science	5
<i>Candace Harvey</i>	A Very Special Place – An Integrated Unit on Assateague Island	Life, Physical, & Earth Sciences; plus all major content areas	4-6
<i>Catherine Kern</i>	What Goes Up Must Come Down... and Back Up Again?	Earth Science/ Weather	4
<i>Ann Williams</i>	Percolating Hyallela Azteca	Physical & Environmental Science	6-9
<i>Stephanie Winner</i>	Life in the Biosphere: Arthropods, Interactions, and Energy Flow	Life Science, Math, Geography	7 (adaptable for any secondary level)
<i>Taara Green Kimberly Sturdivant</i>	Women in the Science & Mathematics Workforce	Math, General Science	6-8

MESRP 2000 Outreach Speaking Events Summary

Intern Name	Title of Speaking Event	Location/Audience	Date
<i>Betsy Evans & Carole Ryan</i>	Arthropod Analysis	Allegany College – Earth and Environmental Science teachers of Allegany County	August 21, 2000
<i>Nikki Friedland</i>	Internship Opportunities for Education Majors	UMCP – EDCI 280 class	Mach, 2001
<i>Nina Hoffman</i>	NSF Collaboratives for Excellence in Teacher Preparation Annual PI Meeting	NSF Headquarters – CETP PI's	April 3, 2001
<i>Yovonda Ingram</i>	NSF Collaboratives for Excellence in Teacher Preparation Annual PI Meeting	NSF Headquarters – CETP PI's	April 3, 2001
<i>Yovonda Ingram</i>	Implementation of Performance Tasks	Science Inservice Day Calvert County – Science teachers and supervisors (all grade levels)	October 20, 2000
<i>Yovonda Ingram</i>	My Summer Research at NOAA	NOAA Camp Springs – NOAA Outreach Scientists	August 15, 2000
<i>Jennifer Jarosinski</i>	Regulations of Gene Expression During T-Cell Development	American Red Cross – American Red Cross Immunology Scientists	July 28, 2000
<i>Paul Marcantonio</i>	NSF Collaboratives for Excellence in Teacher Preparation Annual PI Meeting	NSF Headquarters – CETP PI's	April 3, 2001
<i>Teresita Metzbowler & Diane Musick</i>	NASA – Not Just Space Science, but Earth Science from Space	Maryland Instructional Computer Coordinators' Association – Science & Technology grade 3-8 teachers	March 22, 2001
<i>Trisha Nyland</i>	Research Under Controlled Conditions	Shiloh Middle School – 6 th grade Science students	April 27, 2001
<i>Angeli Shah</i>	Organic Slime! Developing Environmental Education Curriculum	University of Maryland – Gemstone Team	April 2, 2001
<i>Teisha Taylor</i>	My Summer Research at NOAA	NOAA Camp Springs – NOAA Outreach Scientists	August 15, 2000
<i>Lois Tiffany</i>	Using Math in Science	Ingenuity Science Teachers Meeting – Teachers of gifted children	May 15, 2001
<i>Kevin Voritskul</i>	Regulations of Gene Expression During T-Cell Development	American Red Cross – American Red Cross Immunology Scientists	July 28, 2000

1999 **MESRP** Outreach Speaking Events Summary

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<i>Melanie Carr-Flanagan Nina Hoffman</i>	Integrating the World Wide Web in Daily Lessons	PTSA Meeting at Eastern Middle School – Parents, teachers, and students	February 8, 2000
<i>Candace Harvey</i>	National Parks: A Discussion of What Assateague Island National Seashore is Doing About Public Abuse of Parks	Gemstones Seminar at UMCP – UM Gemstone Group (an honors group that implements service projects)	November 22, 1999
<i>Pamela Henry</i>	Research at NIDA and Its Impact on the Classroom	Severna Park Middle School – Science faculty	February 22, 2000
<i>Catherine Kern</i>	Summer Science Sizzles	MCTP Seminar – MCTP Students	November 8, 1999
<i>Jessica Kraft</i>	My Summer Internship and How I Am Bringing It to the Classroom	MCTP Seminar – MCTP Students and advisors	December 29, 1999
<i>Mark Lichaa</i>	Dietary Habits of the Panaque maccus	UMBC Undergraduate Research Symposium – University faculty and fellow undergraduate researchers	October 30, 1999
<i>Ben Spence</i>	A Study of a Special Symbiosis Between Maryland Orchids and Fungi	Annapolis Senior High School – Science faculty and interested students	March 28-29, 2000
<i>Kim Sturdivant</i>	The Development of a Molecular Technique to Determine the Sex of Tree Swallows	Towson University – Summer Undergraduate Research in Biology Oral Presentations	August 6, 1999
<i>Ann Williams</i>	Research Experiences Concerted to Classroom	COMB Biotechnology Workshop – Middle and High School science teachers	July 21, 1999
<i>Stephanie Winner</i>	Food Supply for Migrating Birds	Braddock Middle School Teacher Development Meeting– Science faculty	September 1999

**MESRP 2000 Outreach
Collaborative Activities Summary**

Intern Name	Collaborative Activity Title/Description	Location/Audience	Date
<i>Betsy Evans & Carole Ryan</i>	Arthropod Analysis	Allegheny College – Earth & Environmental Science teachers	February 6, 2001
<i>Nikki Friedland</i>	Women In Science	Elementary Students	Spring 2001
<i>Jennifer Jarosinski</i>	DNA Research and the Human Genome Project	Sligo Middle School – Science Honors students	May 18, 2001
<i>Tessie Jodon (Metzbower)</i>	Integrating Biomes into Reading Strategies	Westover Elementary – 3 rd grade students	Spring 2001
<i>Diane Musick</i>	Interdisciplinary 4 th grade Unit on Biomes	Bester Elementary School – 4 th grade teachers (all disciplines) and students	February 16, 2001
<i>Trisha Nyland</i>	Mentoring: Resources for Teachers New to 6 th Grade	Shiloh Middle School – 6 th grade Science students	August – November 2000
<i>Angeli Shah</i>	Forests of the World Workshop	Office of American Forest Foundation – High School Environmental Education students and teachers	July 31, 2000
<i>Teisha Taylor</i>	Eye See You!	Middle School teachers and students	November 17, 2000
<i>Lois Tiffany</i>	Teaching Research Skills in the Classroom	Science Teachers – Southeast Middle School	May 17, 2001
<i>Kevin Voritskul</i>	The Immune System (alpha test of the CIP)	Summit Lake Elementary School – 4 th grade teachers and students	April 27, 2001

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Intern Name	Collaborative Activity Title/Description	Location/Audience	Date
<i>Taara Green Kim Sturdivant</i>	Women in the Workforce: Science, Math, and Technology	Harlem Park Middle School	January 19, 2000
<i>Candace Harvey</i>	Science Methods Class Peer Conversation – lesson demonstration followed by feedback and discussion	University of Maryland College Park – Preservice teachers	October 6, 1999
<i>Pam Henry Jessica Kraft</i>	A New Twist on an Old Idea: Improved Drug Education – games, activities, posters, videos, booklets, etc. produced by 6 th graders taken to share with 5 th graders	Severna Park Middle School and feeder elementary schools – 5 th and 6 th graders	March 2000
<i>Catherine Kern</i>	The Role of the National Science Education Standards in Informal Education – a graduate thesis	University of Maryland – College Park & Science Center of Connecticut	1999-2000 school year
<i>Mark Lichaa</i>	Continued Research on the Dietary Habits of the Panaque maccus – collaborated with professors and additional researchers to continue project	Towson University	1999-2000 school year
<i>Ben Spence</i>	Calculating Confidence Intervals for Mean Growth Values in Orchid Protocorms	Annapolis Senior High – 40 AP high school students	March 27, 31, 2000
<i>Ann Williams</i>	PERIL in Maryland: an interactive computer game teaching about toxicology in everyday life	Northern Middle School – 175 8 th grade physical science students	October 1999
<i>Ann Williams</i>	Scientist in the Classroom – Dr. Haasch (CBL) visits once per quarter to assist with labs and attends science club meetings	Northern Middle School – 200 middle school students	1999-2000 school year
<i>Stephanie Winner</i>	Life in the Biosphere: Arthropods, interactions, and energy flow – an interdisciplinary unit	Braddock Middle School – 130 7 th grade students	Feb. – April 2000