

COLLABORATION WITH MIDDLE SCHOOLS

Campus	Name of Project	Partners	Purpose	Participants	#	Results
MSU-Billings	Middle School “College Is Possible” programs	Middle school counselors in Yellowstone Valley	Admissions MSU-B stu present to 8 th grade @ 7-8 Billings & area middle schools; focus on college prep courses in high school & options after.	Admissions counselors and student ambassador volunteers	7-9 events w 1500+ students annually.	8 th graders learn college requirements, what high school courses to take. Also informs about math/English proficiency & financial aid opportunities.
MSU-Billings	Upward Bound & Talent Search	Middle school and high school counselors	Tutoring and mentoring and educational programs to middle & high schoolers who meet grant criteria.	Upward Bound and Talent Search staff	100-200 students per year	Give tutoring, mentoring, educational opportunities to qualified Middle School students; programs for parents on students’ challenges.
MSU-Bozeman	MUS 437 & 439 Instrumental/ Choral Field Experience- Lowell Hickman & Lisa Hunter	Bozeman area schools	Early field experience for prospective music teachers	BME Students/ area schools	8-10	Give MSU students early practical experiences in public schools
MSU-Bozeman	EDCI 102- Stephanie Standerfer	Bozeman area schools	Early field experience for prospective music teachers	BME students/ area schools	8-10	Give MSU students early practical experiences in public schools
MSU-Bozeman	Shakespeare in the Schools	Livingston, Bozeman, Gardiner	Expose students to live theatre and literature, talk back session with actors and an intensive repertoire of workshops. Educational enrichment	Students and teachers	1,728	Enhance students understanding of Shakespeare’s work. SIS in demand for return performances
MSU-Bozeman	Science Olympiad	MSU-Science/Math Resource Center- MT Schools	Events for students	MT Middle School Olympiad Participants	~500-1000	Score-keeping duties
MSU-Bozeman	Health Enhancement curriculum	Ms. Nancy Colton/ BPS	To place undergraduates in the K-12 Health Enhancement curriculum in volunteer and practicum situations	K-12 students/MSU undergrads	~700-1500+	MSU undergrads gain practical experience with K-we students/K-12 students benefit from current health enhancement programs

COLLABORATION WITH MIDDLE SCHOOLS

Campus	Name of Project	Partners	Purpose	Participants	#	Results
MSU-Bozeman	HDCF 357- Special Needs Lab	Dr. Laura Massey/ BPS	Places student in inclusion classroom and special education classrooms to assist teachers in implementing programs for special needs students	Bozeman Public Schools/ HDCF students	~20	Special needs students benefit from additional education and support; undergrads get first-hand experience
MSU-Bozeman	Health Enhancement and Literacy for Total Health	Dr. Lynn Owens/ BPS/ US Dept. of Education	Curriculum development for Health Enhancement for Bozeman Public Schools	Bozeman Public Schools	1500+	Curriculum enhancement
MSU-Bozeman	Coaching/ Athletic programs	Dr. Craig Stewart/ Bozeman Public Schools	To provide qualified coaches and coaches in training to their athletic programs	MT coaches and schools	~500	Coaches get current research-based information
MSU-Bozeman	MATHCOUNTS	NSPE/ Civil Engineering	Promote interest and excellence in mathematics	Regional and state students	125	Pursuit of careers in math & engineering
MSU-Bozeman	Science Olympiad	SMRC/ Civil Engineering	Promote interest in science & engineering	Area students	40	Promotion of careers in science & engineering
MSU-Bozeman	Peaks & Potentials	MSU/Civil Engineering	Promote interest in science & art	State-wide grades 5-9	125	Youth camp introduction to science & art
MSU-Bozeman	Expanding Your Horizons	MSU/ Civil Engineering	Promote interest in math & science in young women	Regional female students	200	Promotion of women's' careers in science & math
MSU-Bozeman	Teaching American History Grant II (awarded 2004)	Bozeman Public Schools & Gallatin County Schools	To improve the content knowledge of American History	6-8 teachers	8	
MSU-Bozeman	Classical Mythology	Chief Joseph MS	Instruct grade 6 classes	Grade 6 students	40	Increased knowledge
MSU-Bozeman	Québec Culture	Chief Joseph MS	Instruct grade 6 classes	Grade 6 students	25	Increased knowledge
MSU-Bozeman	Medieval Culture	Chief Joseph MS	Instruct grade 6 classes	Grade 6 students	25	Increased knowledge

COLLABORATION WITH MIDDLE SCHOOLS

Campus	Name of Project	Partners	Purpose	Participants	#	Results
MSU-Bozeman	First Lego League robotics competition	MSU CCB & CBN; Bozeman area middle schools	Middle school students apply their skills gained in the Elementary Robotics sessions to compete on a topical challenge. This year's challenge (Mars colonization) also included space travel.	Alex Dimitrov and students (MSU), Jill Schaunaman (PEAKS)	15	Extend and apply skills in engineering and programming through topical problem solving
MSU-Bozeman	Peaks & Potentials robotics camp	MSU CCB & BTC; Montana schools	Introduction to design and building of robots (Lego Mindstorms)	Alex Dimitrov, BTC staff (MSU), students	30	Students were introduced to basic engineering and programming principles in the context of robotics
MSU-Bozeman	ICAL Microscope Demonstrations	Science Olympiad/ Schools across Montana	To expose young students about the wonders of science	6-8 th graders	~30/year	Curriculum enhancement
MSU-Bozeman	MT Space Grant Consortium- SPOT (Space Public Outreach Team)	Various Montana Schools, Science Fair	Present information about the Mars program to students	Students, teachers	1871	Excellent interactions between MSGC presenters & teachers/ students; requests for return engagements
MSU-Bozeman	MT Space Grant Consortium- Project Aria	Various Montana schools, grades 5-8	Provided a cost-free opportunity for students to fly and compare non-biologic experiments on a near-space high-altitude balloon above Antarctica; coordinated by Washington Univ. in St. Louis	Students, teachers	393	Although there were some problems with winds and balloon recovery, the students were excited about the program
MSU-Bozeman	MT Space Grant Consortium- LiftOff 2004	Lewis & Clark Middle School; Abaetern Academy (grades 5-12)	Provided week-long professional development training for teachers, emphasizing science, mathematics, and technology learning experiences; MSGC covered all expenses	Teachers (Shirley Greene, Billings; Ivy Merriot, Bozeman)	2 teachers	Both teachers returned to Montana with new ideas and perspectives

COLLABORATION WITH MIDDLE SCHOOLS

Campus	Name of Project	Partners	Purpose	Participants	#	Results
MSU-Bozeman	Antarctic Weddel Seal	MSU/NSF	Outreach science education	Garrott/ Rotella et al. and students	Many	Email correspondence, on-site visits and material development
MSU-Bozeman	Evaluation of the use of sulfate- reducing bacteria to remove copper from drinking water	Joe Bradshaw & Laura Notess	Supervise 8 th grader at Chief Joseph Middle School conduct research project on bioremediation	Joe Bradshaw & Laura Notess	3	First place at local Science Fair, 3 rd place in State-wide Science Fair
MSU-Bozeman	Advancing Women in Science	Mary Cloninger	Promote science education & interest among young Native American Women	Jr. High Native American Women	20	More girls have discovered impacts they can make in the field of science
MSU-Bozeman	Ooey, Gooley Polymers	Cynthia McClure	Expand science education with young middle school girls	Female Jr. High students	20	Girls discover the impact they can make in the field of science
MSU-Bozeman	Museum of the Rockies Education Outreach Trunks	Bozeman Schools	Educational Enrichment	Approx. # students, teachers, and parents	450	Curriculum enhancement
MSU-Bozeman	Museum of the Rockies Education Outreach Trunks	Other Montana Schools	Educational Enrichment	Approx. # students, teachers, and parents	2330	Curriculum enhancement
MSU-Bozeman	Museum of the Rockies school tours and special classes	Bozeman Schools	Educational Enrichment	Approx. # students, teachers, and parents	130	Curriculum enhancement
MSU-Bozeman	Museum of the Rockies school tours and special classes	Other Montana Schools	Educational Enrichment	Approx. # students, teachers, and parents	460	Curriculum enhancement
MSU-Bozeman	Nurse Link	BTC (MSU), Park and Gallatin County middle & high schools	To recruit students for the nursing profession and to inform local youths about nursing as a career	Middle School and High School students (8 th grade through senior year)	Goal is 25 participants per summer	This program was discontinued because of lack of funding
MSU-Bozeman	Gear UP	Lame Deer Elem. MSU-B CON COOP program participates in this	Summer Camp	7 th & 8 th Graders	12	Three-day camp in Billings to explore health careers, tour hospital, air-evacuation
MSU-Bozeman	Boxing Seminar	Wilson School	Positive Role Modeling	MSG Kolb & Cadets	6	Students/Faculty enjoyed the training-invited to return next year

COLLABORATION WITH MIDDLE SCHOOLS

Campus	Name of Project	Partners	Purpose	Participants	#	Results
MSU-Bozeman	Peaks and Potentials	WTI, BTC	Provide residential university experience to gifted students	MT 6 th -9 th graders	25	Popular activities that covered range of engineering principles
MSU-Bozeman	Expanding Your Horizons	WTI, BTC	Interest middle school aged girls in math and science	MT 6 th -8 th graders	25	Popular activity that covered basic concepts in civil engineering
MSU-Great Falls College of Technology	Middle School Career Day	Great Falls Public Schools	Inform middle school students about the range of career choices and the educational opportunities available to them.	All 8 th graders in the Great Falls Public Schools	800	Good comments from students and high teacher satisfaction
MT-Tech of The University of Montana	Regional Science and Engineering Fair	Butte Central, Chief Joseph, Cornerstone Academy, East Middle, Fred Moodry, Hamilton Middle, Lima, Lincoln, Sacagawea Three Forks Middle, Twin Bridges and Victor schools	Encourage student scientific research interest	Middle school students	400	Fosters scientific interests. Top projects are referred to the Discovery Channel Youth Challenge.
MT-Tech of The University of Montana	Campus Corps After School Homework Opportunity	Butte YMCA East Middle School	Provide 1-on-1 tutoring to middle schools students at the YMCA	Middle School Students, Montana Tech student volunteers	30	Students see measurable increase in GPA--per teacher report.
MT-Tech of The University of Montana	GEAR UP	Montana GEAR UP @ OCHE + GEAR UP Middle Schools	Offer 1-week residential college orientation camp.	Middle school students w Tech faculty and staff	30	Students more confident and realistic in their pursuit of post-secondary education.
UM-Missoula	Saturday Academy	7 different Middle schools	Preliminary Education	Pharmacy & Allied Health Science	20	Students get hands-on science
UM-Missoula	Biological Outreach	Multiple schools in Western Montana	Introduce students to biological topics	Faculty in DBS	Many	Presentations and demos in area classrooms.
UM-Western	Professional Development School (PDS)	Butte K-8 Schools	Improve teacher training, increase professional interactions between UMW and public schools.	Students in UMW Elementary Education do part of training in Butte at the PDS	Approximately 20 students per year	High student satisfaction. Improved Education of program graduates

COLLABORATION WITH MIDDLE SCHOOLS

Campus	Name of Project	Partners	Purpose	Participants	#	Results
Flathead Valley Community College	AmeriCorps Projects: America Reads America Counts	Evergreen Jr. High School, Kalispell Jr. High School, Linderman School, Helena Flats	To recruit and train college student volunteers to tutor grade 7-8 students identified as needing assistance in math and/or reading	FVCC Service Learning Staff, FVCC students, grade 7-8 students and teachers, program coordinators	35	60% of participating students are performing at grade level by the end of the school year.
Flathead Valley Community College	Gifted and Talented Financial Aid Update	Kalispell Jr. High School	Early awareness of Financial Aid	Parents	15-30	Parents are better able to plan for college.
Flathead Valley Community College	Campus Tours	Middle schools	Visit with class or faculty in their interest area, and attend workshops	Middle school students	50	Increased enrollment at FVCC