

Maryland

Math is Everywhere

Atholton Elementary School

6700 Seneca Drive, Columbia, Md. 21046; 410-313-6853; FAX 410-313-7410

Submitted By: Mellie Lewis

Math is Everywhere will enable students in grades two, three and five to relate what they are learning in mathematics to real life situations. They will locate and photograph examples of the mathematical concepts and objectives they are studying in class using a digital camera. Students will download the photos onto the computer and create a group photo book. The project is a unique way to weave mathematics, written language, creativity, cooperative learning and technology into one project.

All Aboard! Next Stop, America!

Barrie School

13500 Layhill Road, Silver Spring, Md. 20906; 301-576-2800; FAX 301-576-2805

Submitted By: Trish Hannon and Patty Schaible

All Aboard! Next Stop, America! will take the first, second and third grade students at Barrie School on a historical "train journey" back through time. The "train journey" will take place over a five-week period beginning with President's Day. The week before the project begins, each child will receive a brochure and a ticket in the mail at their home. The train will make two stops each week. The students will "visit" the Native Americans and travel forward in time through the Revolutionary War and the westward development of the country. The lessons will incorporate song, music, storytelling and Tall Tales.

Home Connections to Learning

Beall Elementary School

451 Beall Avenue, Rockville, Md. 20850; 301-279-8460; FAX 301-279-4999

Submitted By: Yvette Mass and Kathleen Cohan

For this program, a series of math and literacy lessons will be video-taped and converted into VHS tapes to establish a lending library for parents of children in the Head Start and pre-kindergarten programs at Beall Elementary School. The tapes will demonstrate the way teachers guide and instruct students in learning literacy and math skills. These will serve as a model for parents and guardians to use at home in support of the child's learning. Teachers will create packets of follow-up activities that support and/or extend the skills presented in the videotape. This program will encourage parents to participate in a shared writing experience with their children at home.

Mask Making

Brown Station Elementary School

851 Quince Orchard Blvd., Gaithersburg, Md. 20878; 301-840-7172; FAX 301-840-7174

Submitted By: Michelle Miller

Every student at Brown Station Elementary School will create a three dimensional mask. Each grade level will create a different kind of mask. The students will be study mask making in other cultures and gain insight into different cultures by studying their art forms. Parents and other members of the community have volunteered their time to work with the students during art classes to help the students with the creation of the masks. The masks that the students create will be used to decorate the school.

Listening for Learning

Brunswick Elementary School

400 Central Avenue, Brunswick, Md. 21716; 240-236-2900; FAX 240-236-2901

Submitted By: Karen Fitzpatrick

This program will improve the literacy skills of the students at Brunswick Elementary School through the use of tape recorders. By listening to songs, poems, rhymes and chants the students' phonemic awareness will be increased. Using printed materials along with the tapes will make phonics lessons more interactive. The students will also have the opportunity to record their readings. This will increase their language fluency as well as expand their vocabularies.

Home-School Partnership Program

C. Paul Barnhart Elementary School

4800 Lancaster Circle, Waldorf, Md. 20603; 301-645-9053; FAX 301-645-8970

Submitted By: E. Diane Simmons and Patricia Simpson

The goal of the Home-School Partnership Program is to encourage more parent involvement, to improve communication between home and school, foster social success in the students, increasing student academic performance by improving homework completion, reinforcing concepts taught in reading and mathematics and practicing test-taking strategies. The program will consist of bi-monthly meeting for parents and their children to be held in the evenings. Parents will learn skills and strategies to assist their children with their homework.

Reading is Fun in Any Language

Cannon Road Elementary School

901 Cannon Road, Silver Spring, Md. 20904; 301-989-5662; FAX 301-989-5692

Submitted By: Judie Dan Weisletten and Naomi Gelfund

This program will establish a Bilingual Reading Room at Cannon Road Elementary School. The room will contain bilingual and multicultural books as well as audiotapes from other countries. These materials will be available to the English Language Learners and their parents. This program will help motivate parents to read to their children, helping to create a positive, community-friendly learning environment to improve academic results.

Electronics Projects – Building a Radio and a Power Supply

Centennial High School

4300 Centennial Lane, Ellicott City, Md. 21042; 410-313-2856; FAX 410-313-2891

Submitted By: Stan Eisenstein

Twenty-six students in the recently developed Electronics class at Centennial High School will build their own electronic devices. These students will build a DC power supply and an AM radio. These building projects utilize the scientific principles learned in the classroom. These projects also help students see how to bring a design into reality, including becoming aware of how to use available equipment as well as how to troubleshoot problems in design and construction.

Creating Wooden Model Aircraft

Chesapeake High School

4978 Mountain Road, Pasadena, Md. 21122; 410-255-9600; FAX 410-360-4364

Submitted By: Teddy Betts

Creating Wooden Model Aircraft is a program for the high school special education classes comprised of emotionally disturbed students who are enrolled in technology courses. These students will construct a wooden model aircraft in order to enhance the standard curriculum. Working only from a photograph, each student will follow basic guidelines of aircraft aerodynamics and structure and construct their planes from lumber and dowels. Students will apply the scientific principles and problem solving techniques they have learned in class for this project.

Revolving Models

Chopticon High School

25390 Colton Point Road, Morganza, Md. 20660; 301-475-0215; FAX 301-475-0222

Submitted By: Nancy Lewis and Leslie Cain

Students in the Advanced Placement Calculus class will have the opportunity to use commercially made wooden models of solids of revolution. This will give them a hands-on opportunity to explore a concept that is difficult to visualize and comprehend in two-dimensional pictures. The culminating activity in this program will require students to choose their own materials to create their own model.

Oral Histories of a Troubled Time: The Washington Riots of 1968

Connelly School of the Holy Child

9029 Bradley Blvd., Potomac, Md. 20854; 301-365-0955; FAX 301-365-0981

Submitted By: Ken Woodard

Twenty-four students in the Advanced Placement History Class will use digital voice recorders to compile the histories of Washington residents who will share their memories of the 1968 riots. The students' individual research projects and interview materials will be incorporated into a thirty-minute video documentary that will be broadcast on Montgomery Community Television.

Cross-Age Teaching of Science

Damascus High School

25921 Ridge Road, Damascus, Md. 20872; 301-253-7030; FAX 301-253-7046

Submitted By: Elena Pisciotta, Don Ayotte, Emily Bizzell, Rachelle Klein and Elaine Whalen

Damascus juniors and seniors in the Cross-Age-Teaching of Science classes design interactive demonstrations and hands-on experiments that illustrate biological and physical science topics encountered by local elementary students in their science studies. The high school students utilize hands-on, interactive and experimental teaching techniques to present their activities to the elementary school children.

Home and Back Packet Program

Dr. Thomas L. Higdon Elementary School

12872 Rockpoint Road, Newburg, Md. 20664; 301-934-4091; FAX 301-934-1718

Submitted By: Barbara Campbell and Kara Small

The Home and Back Packet Program provides fiction and non-fiction companion books for kindergarten, first and second grade students to read with their parents at home. The packets also include activity cards with suggested activities, games and craft projects that can be completed by the student and their parents. Students will take packets home on Mondays and return them on Thursdays. Parent volunteers will help to manage the program. This program will strengthen the home-school connection.

Story Integration: For special education and regular education

Emmitsburg Elementary School

300 South Seton Avenue, Emmitsburg, Md. 21727; 240-236-1750; FAX 240-236-1751

Submitted By: Jocelyn Latta, Susan Kemp, Kelly Canfield, Carolyn Miller, Sharon Rice and Heather Corl

Students in the preschool and kindergarten programs will be exposed to short stories that are designed to allow for a variety of language and literacy activities to be done with students of all levels and disabilities. The students will listen to the stories and then retell them using props that are illustrated in the story. Also, students will have the opportunity to write about the story and discuss their favorite characters and events in the story. The program will help to build book handling skills, interpersonal skills and reading and writing skills.

Sounds Abound!

Emmitsburg Elementary School

300 South Seton Avenue, Emmitsburg, Md. 21727; 240-236-1750; FAX 240-236-1751

Submitted By: Kelly Canfield, Heather Corl, Carolyn Miller, Sharon Rice and Carolyn Wiles

Sounds Abound! will give every student in the pre-kindergarten and kindergarten classes at Emmitsburg Elementary School the opportunity to explore musical instruments as part of the science curriculum unit on sounds. The unit will begin with a visit to the school by a local string quartet that will introduce the students to instruments. The students will then use the school's instruments to explore different types of sounds and learn the vocabulary to describe the sounds. Then the students will create their own instruments. The culminating activity in the program will include a performance for friends and family as well as a visit to a local nursing home.

Thinking Like Scientists

Forest Knolls Elementary School

10830 Eastwood Avenue, Potomac, Md. 20901; 301-649-8060; FAX 301-649-8196

Submitted By: Jamie Mikeska and Kristen Kracke

“Thinking Like Scientists” is an after-school enrichment program that will engage second grade students in inquiry-based science activities as a way to remove barriers to learning and teach according to the students’ strengths and interests. The students who will be participating will have demonstrated an interest or an ability for higher-order thinking in science. The activities will guide the students through the scientific process by developing the students’ abilities to ask testable questions and design fair tests to answer their questions. They will learn to gather data in an organized and logical manner as well as reading to learn related to investigation. They will also learn about communicating the results from their investigations with the other students.

Parent Seminars for Spanish-Speaking Families

Frances Fuchs Early Childhood Center

11011 Cherry Hill Road, Beltsville, Md. 20705; 301-572-0600; FAX 301-572-0602

Submitted By: Wendy Oliver and Jae Nelson

The parent training for Spanish-speaking families is offered to teach parents of disabled students strategies to help their child achieve the learning objective outlined in their child’s Individual Education Plan (IEP). For the young child with disabilities, appropriate early intervention is critical for literacy and language development. This program will provide parents with skills to help achieve this goal.

Nature’s Diversity

Glenridge Elementary School

7200 Gallatin Street, Landover Hills, Md. 20784; 301-918-8740; FAX 301-918-8547

Submitted By: Joan Ramsay

This program is an enrichment project that places live plants and live-lesser-studied animals in the classroom. The students will have access to a library of books, videos and models as part of the program. Nature’s Diversity will provide the kindergarten students with the experience of having live plants and animals that show the variety of living things. This program is intended to expand their appreciation and knowledge of the world.

Language Arts Remediation Under the Guise of Competition

Governor Thomas Johnson High School

1501 North Market Street, Frederick, Md. 21701; 240-236-8200; FAX 240-236-8201

Submitted By: Vivienne Werner

This extra-curricular tournament program will enable students to practice spelling, definitions and correct word usage under the guise of game competition. The computer lab at the school will be outfitted with INFO Games Scrabble Complete. This crossword game encourages student improvement in a way that is enjoyable and exciting. Once students gain skills using the computer program they will begin competing against other students at the same skill-level. Using this method of improving remedial skills in the framework of an extra-curricular club reduces stigma and encourages learning through competition.

Act It Out! Literature Based Puppet Theatre

High Bridge Elementary School

7011 High Bridge Road, Bowie, Md. 20720; 301-805-2690; FAX 301-805-2693

Submitted By: Elizabeth Kowalewski, Candace Coles and Randy Wilson

Act It Out! will use puppet theater as a story-telling prop to encourage kindergartners active engagement in story-retelling and comprehension. It will also stimulate language development, thinking skills and creativity. The sixteen students enrolled in the Comprehensive Special Education Program will be instructed in translating stories from book to puppet stage. The students will share their dramatizations with the rest of the kindergarten students at the school.

A Festival of Math: Using Math Around the World

Holy Trinity Episcopal Day School

11902 Daisey Lane, Glenn Dale, Md. 20769; 301-464-3215; FAX 301-464-9725

Submitted By: Mary Seine

This program reinforces math skills for fifth, sixth, seventh and eighth graders through games from four continents. Students will organize and participate in a Math Festival using the games. The games will be used to talk about strategy, discover numerical and visual patterns, develop number sense, use mental math, explore geometric properties and create, test and apply theories.

Survivor: Ancient Rome! A Living Museum

Holy Trinity Episcopal Day School

11902 Daisey Lane, Glenn Dale, Md. 20769; 301-464-3215; FAX 301-464-9725

Submitted By: Julie Peyton

Students in eighth grade will create a living museum of Ancient Rome as part of their introduction to Latin class. The students will work in groups to create exhibits on Roman culture, including geography/climate, Latin language, political structure and laws, social

structure and economics and trade. Also, the students will write an Ancient Rome Survival Guide to distribute to the student museum visitors.

Third Grade Memories

Ilchester Elementary School

4981 Ilchester Road, Ellicott City, Md. 21043; 410-313-2524; FAX 410-313-2527

Submitted By: Holly Wright

Third Grade Memories is the title of a book created and written by each third grade student during the school year. It reflects personal and group experiences that support the curriculum during the school year. Third grade parents volunteer time to aid in the production of these books. At the end of the year, the students hold an Author's Tea to which they invite all family members and each third grader shares their book with the guests.

Multicultural Literacy

John F. Kennedy High School

1901 Randolph Road, Silver Spring, Md. 20902; 301-929-2100; FAX 301-929-2240

Submitted By: Donovan Griffin-Blake

Throughout their senior year, twenty-four students will create a Senior Memory book. It will consist of their memories and thoughts from their lives. This activity will serve as a representation of the senior English theme of "Voices." In May, a Book Fair will be held for the students to present their books to their parents as well as the rest of the school community. This project will provide the students with an opportunity to demonstrate a heightened appreciation and awareness for literacy as well as building their writing skills and increasing their self-esteem.

Eyes of the Wolf Newspaper

John Poole Middle School

17014 Tom Fox Avenue, Poolesville, Md. 20837; 301-972-7979; FAX 301-972-7982

Submitted By: Linda Petak and Nori Thorne

The Eyes of the Wolf is the award-winning school newspaper at John Poole Middle School. In February 2004 the paper won the Time Magazine Scholastic Publishing Contest for the Eastern Region. The money awarded through The Washington Post Grants in Arts program in 2004 will fund the publication of the January 2005 issue of the newspaper.

Bringing the World Closer Together

Kensington Parkwood Elementary School

5701 Grosvenor Lane, Bethesda, Md. 20814; 301-571-6949; FAX 301-571-6953

Submitted By: Elizabeth Ready, Tina Shahan, Sue Mackey and Rose Ann Schwartz

Third and fifth grade students and staff at Kensington Parkwood will participate in "Bringing the World Closer Together." The students will develop literacy skills by

communicating with their peers at schools in Milan and Castello D'Mare, Italy. The students will compose letters about their lives and their learning; learn how to create web-based photo journals of their work and use their writings to communicate with their peers. In the spring, two teachers from the partner schools in Italy will come to the U.S.A. to spend a week with the students at Kensington Parkwood teaching the students more about their Italian culture and the students they have been communicating with.

Hurricane Peer Mediator Training Program

Mark Twain School

14501 Avery Road, Rockville, Md. 20853; 301-279-4900; FAX 301-517-5980

Submitted By: Renee Levert

The Hurricane Peer Mediator Training Program will enable students to responsibly and constructively solve conflicts in and out of the school environment. Fifteen at risk students will participate in the training program that will last ten weeks. The program is designed to promote positive leadership skills, improve social skills and build a stronger sense of cooperation and school community. The students will meet weekly with a licensed clinical social worker, the school psychologist and one of member of the Positive Behavior Intervention Supports Team. During the program the students will complete the *Peace Education* mediator workbook, participate in role-play activities as well watching training videos. The culminating activity will be a Mediator Awards Ceremony with parents and administrators.

Our Water Planet

Middletown Elementary School

201 East Green Street, Middletown, Md. 21769; 240-236-1100; FAX 240-236-4250

Submitted By: William Severance, Vicki Marsh, Susan Mount, Loni Cooley, Leah Creighton, John Gladhill and Mary Kay Kresslein

This project is an interdisciplinary project that will immerse students in art, reading and science. The project consists of making five "Bubble Rooms" that will act as motivation for reading scientific expository texts. The bubbles will each feature a section of study from the science unit entitled "Our Water Planet." The third grade students will study the water cycle, the Chesapeake Bay watershed, the ocean and both fresh water and salt water life forms.

Guys Night Out

Milton Somer Middle School

300 Willow Lane, La Plata, Md. 20646; 301-934-4663; FAX 301-934-2982

Submitted By: Rebecca Blake, John Tompkins and Louis D'Ambrosio

Guys Night Out is a preventative project designed to serve potential male high school drop outs who are currently enrolled in middle school. These students will participate in monthly, evening book study sessions. They will be accompanied by an adult male - their father, grandfather, guardian or mentor. At the Guys Night out meetings participants will discuss the literary features of the book. This program is intended to

develop a desire to read more as well as experiencing male bonding through positive role modeling.

Empowering Language Minority Students

New Hampshire Estates Elementary School
8720 Carroll Avenue, Silver Spring, Md. 20903; 301-431-7607; FAX 301-431-7644
Submitted By: Melanie Travers and Catherine Felton

A collaborative dimension of the family/school relationship will be created through the establishment of native language literacy groups for Head Start and pre-kindergarten students who are English Speakers of Other Languages. Parents and other family members will volunteer to read stories and model the use of the home language through discussion and musical experiences in the school setting. This program will foster linguistic empowerment and additive bilingualism among the language minority students and their families.

Transportation Training Program

Pathways School
1106 University Blvd., Silver Spring, Md. 20902; 301-649-0778; FAX 301-649-2598
Submitted By: John Thompson

Students in The Pathways high school programs participate in the Transition Program accessing a comprehensive continuum of services designed to help them prepare for the world of work. Transportation training is an integral component of the program providing students with the opportunity to utilize public transportation through a structured program. The skills gained and practiced in this program provide students with the knowledge and confidence to independently utilize public transportation to access numerous community resources and employment opportunities.

Pre-AP Minority Cohort Program

Patuxent High School
12485 Rousby Hall Road, Lusby, Md. 20657; 410-535-7865; FAX 410-535-7875
Submitted By: Katie Dredger

Modeled after the innovative cohort program at Wakefield High School in Alexandria, Va., this program will identify minority students in Advanced Placement (AP) courses and match them with other students as part of a cohort. The cohort will provide support to these students as they take challenging AP courses. The cohort will offer fellowship, support, field trip to local universities and a year-end celebration of their successes.

Communicating Culture and Values

Rocky Hill Middle School
22401 Brick Haven Way, Clarksburg, Md. 20871; 301-353-8282; 301-601-3197
Submitted By: Denise Cherry, Eric Morris, Craig Levy

This project will provide an opportunity for students in the Emotionally Disabled program to communicate with students in Senegal, West Africa through pictures that reflect their American Culture. The students will be given a disposable camera and will be asked to take pictures of different aspects of their lives – their rooms at home, their favorite toys, books, clothing, food, special buildings and places and things of their own choosing. The students will write explanations of the photos to help the students from Senegal understand what they're viewing and upload their photos and explanations to the computer to share them with the students in Senegal. This project will allow the students at Rock Hill Middle School to share what they value, their lifestyles and culture in a positive way.

Cooking for Independence

Stephen Knolls School

10731 St. Margaret's Way, Kensington, Md. 20895; 301-929-2151; FAX 301-929-2245

Submitted By: Catherine Hunter

Cooking for Independence is a program designed to allow students with severe-to-profound mental retardation and physical impairments to participate in adapted cooking lessons in a school kitchen. Students will use specialized equipment to prepare meals with increased independence. This will help these students to develop control over their environment through technology as well as gaining a better sense of self-awareness.

Second Grade LeapPad Learning Center

St. Mary's School

600 Veers Mill Road, Rockville, Md. 20852; 301-762-4179; FAX 301-762-9550

Submitted By: Allison Archer

This program will implement a LeapPad learning station in a second grade classroom at St. Mary's School. While participating in the learning station part of the daily classroom routine, students will have the opportunity to use the LeapPad devices to practice their reading skills. The LeapPads provide the opportunity for individual, private, non-threatening reading skills development. This instructional technology will provide encouragement to low-level reading as well as strengthening the reading skills of the rest of the class.

Knights in the Kitchen - Food and Nutrition Program

Wheaton High School

12601 Dalewood Drive, Silver Spring, Md. 20906; 301-929-2050; FAX 929-2081

Submitted By: Joan Locastro and Kerri Mullins

Knights in the Kitchen is a hands-on cooking program aimed at increasing the independence of students with mental retardation. The program emphasizes the critical life skills of safety in the kitchen, sanitation principles, nutrition and healthy food choices as well as basic food preparation skills. The culminating activity for the program will be for the students to budget and plan three meals a day for a three-day camping trip to the

Montgomery County Smith Center. The students will shop for the food, prepare the food in advance, freeze it and then complete the meal preparations at the Smith Center.

Math Squad

Whittier Elementary School

2400 Whittier Drive, Frederick, Md. 21702; 240-236-3100; FAX 240-236-3101

Submitted By: Jenny West, Debra Wilcox, Louise May, Matthew Reiprich, Sheila Cunningham and Gail Matthews

Math Squad is a targeted math intervention program for first grade students that utilizes trained parent volunteers. Parents will participate in two training sessions conducted by a Frederick County Public Schools math specialist. The parent volunteers will tutor students individually or in pairs during math instructional time. Math Squad tutors will use teacher-made games and activities and commercially-purchased games and activities to practice and reinforce skills identified by the students' teachers.

Accelerated Reading – SpellRead P.A.T. (Phonological Auditory Training)

Wilde Lake Middle School

10481 Cross Fox Lane, Columbia, Md. 21044; 410-313-6957; FAX 410-313-6963

Submitted By: Bonnie Lynn Whaley

SpellRead P.A.T. is an accelerated reading program that targets middle school students reading two or more grades below grade level. The program integrates essential elements of phonemics, phonetics and instruction is language-based reading and writing. The training will include lessons that will improve word attack skills, word identification, phonological skills and reading comprehension. One hundred and forty students will participate in this program. They will receive one-on-one instruction. This small-group setting provides an intensive emersion in reading.