

# 2010 NATIONAL AITC CONFERENCE WORKSHOPS

*Select your workshop when you register! This year participants will have the opportunity to select their first choice and an alternate for each workshop session time slot when registering. Every effort will be made to provide you with your top choices. Admittance tickets for each session will be in your registration packet. The earlier you register, the better your chances of getting your desired workshop sessions.*

*Presenters have designated grade levels for their workshop sessions. Frequently, the ideas and lessons shared can be adjusted up or down depending on the age of the group you are educating. The grade levels are merely suggestions and you are welcome to attend any session. Please understand that the program may change due to circumstances beyond our control which may necessitate session changes.*

## SESSION 1: Thursday, June 24, 1:15-2:05 pm

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### #1 Growing Healthy Habits

*Chrissa Carlson, Hampstead Hill Academy and Lisa Lachenmayr, University of Maryland Extension* *Grades K-8*

This session will provide participants with guidance in linking vegetable gardening programs at youth education sites with the specific goal of providing nutrition education through gardening. The UME curriculum, Growing Healthy Habits (GHH) will be highlighted. GHH is a gardening and nutrition education curriculum providing easy-to-adopt lessons. GHH uses growing food as the teaching vehicle to link nutrition and gardening concepts in both in-school and out-of-school youth educational settings.

### #2 Teach a child to feed a family ... Teach a school to feed a community

*Tanna Nicely, Tennessee Foundation for AITC* *Grades K-5*

Come and listen to the success story of the largest urban, inner city garden project in Knoxville, TN. Tanna has developed partnerships with Ameri-Corps, Ijams Nature Center, and the Tomato Head restaurant to assist in teaching the kids and parents how to grow their own food at a school with over a 90% poverty level. The "Victory Garden of Dogwood" has become a catalyst for other garden projects in the region. Participants will receive list of partnerships as well as a comprehensive bibliography of books and activities the teachers used to connect the garden to the classroom.

### #3 The Scrambled States of Agriculture (also offered in Session 2)

*Kevin Daugherty, Illinois AITC* *Grades 3-8*

Join us as we explore the USA with agriculture, literature and unique interest approaches. This literature unit offers something from each geographic region (**Blueberries for Sal** (Maine), **Apples to Oregon...**and now **Miguel** (New Mexico) , **The Life and Times of a Peanut** (North Carolina) and **Wheat** (Kansas) along with many others! This unit will explore the link between great literature, geography and agriculture based activities with a focus on Literacy Work Stations. Practical take away materials ready to infuse into classrooms across the nation are provided!

## #4 Farming and Geography: What a Match

*Leanne Meisinger & Lynda Hampshire, Calvert County Public Schools, Maryland*

*Grades K-5*

This session includes hands-on activities ready for use in the classroom, including a farm vocabulary book and a farm scavenger hunt. Both use photographs about farming to help students build their awareness of rural areas and agricultural activities. Students observe, infer and read to learn information about farm landscapes. CD of lessons provided.

## #5 The "Write" MOO-ves; Agriculture through Language Arts

*(also offered in Session 2)*

*Lynn Stadelmeier, Virginia AITC*

*Grades K-5*

Join the staff from Virginia AITC in a highly interactive session full of hands-on lesson ideas designed to integrate agriculture into your daily curriculum. Explore the connection between agriculture and language arts through engaging activities, developed to grow great minds. Workshop participants will leave with practical ideas and samples ready for immediate use in the classroom.

## #6 Cows, Calcium and Cheese *(also offered in Session 2)*

*Marie Frohlich, Cabot Creamery, Vermont*

*Grades K-8*

Goal is to share information about Cabot's nutrition and agricultural activities from our Cows Calcium and Cheese Kit. Kits are free to participants. I will also go over the other resources Cabot offers for free, including our grant program. All participants will receive a free kit.

## #7 Charm City

*Tonya Wible, PA Friends of Ag Foundation*

*Grades K-4*

You're visiting "Charm City" (Baltimore's nickname)... now Explore an Ag Charm Workshop. Many years ago, Maryland developed the first Farm Charm. Now, a dozen years later, Pennsylvania and Maryland are rolling out the "charms" with more ideas than you can imagine. Added to the farm charm are baseball charms, pizza charms, dairy charms – you name it and we can "charm" it. Come get a bagful of ideas at this "charming" workshop.

## #8 Including Commodities in your AITC Sessions

*Chris Fleming, Tennessee Foundation for AITC*

*Grades 6-12*

Agriculture in the Classroom sessions can often center on food (as well they should) but we have found a way to include information about the raw commodities. Whether it's ranking samples of our "Top Twenty" or completing a commodities map for our state or nation, reminding students about the source of our meals is important. We will complete these activities and others as we identify ways to "Let'em Know, What We Grow!"

## #9 Making Food Taste Great *(also offered in Session 2)*

*John Ellingsworth, McCormick & Co. Inc.*

*All Levels*

McCormick's Research and Development division is constantly refining and developing "taste" sensations. This session will explore the flavor perceptions around aroma, taste, appearance and mouthfeel of different foods. You will go on a taste excursion to learn how you use your senses to evaluate the aroma and flavor of products. Lots of "tasty" ideas to take back to your classroom.

## #10 McCormick & Company (also offered in Session 2)

*Kitty Lentz, McCormick & Co. Inc.*

*Grades 3-12*

McCormick & Co. Inc has been in business since 1889, and wouldn't exist without agriculture. Let's learn a little about McCormick history, and then take a journey to distant lands to learn about the agriculture of two of our favorite products; vanilla and cinnamon. First, we'll learn about the agronomy of vanilla and cinnamon, where these are grown, how they are processed, and then learn how to use our senses to evaluate the aroma and flavor (or quality) of these favorite products.

## SESSION 2: Thursday, June 24, 2:20-3:10 pm

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### #1 Eat Better and Moove More

*Mary Concannon, M.A., University of Maryland Extension*

*Grades K-5*

Are you and your students making healthy food choices? Are low-fat foods always a better option? Join your peers and learn some surprising facts about the rising U.S. prevalence of overweight and obesity. Participate in hands-on fat detective activities that will make you and your students re-think everyday food choices. Learn some simple classroom policies and environmental changes you can make to help your students eat better and mooove more!

### #2 The Garden - A Living Laboratory

*Judy Culbertson, CA Foundation for AITC*

*Grades K-8*

California Agriculture in the Classroom partnered with the First Lady of California's Office to install an edible garden ("WE Garden") on the capitol grounds. Part of the project was developing 10 garden-related lesson plans to encourage schools to begin their own gardens. Learn how gardens, whether located at your state capitol or in your schoolyard, can inspire students to explore every curricular area—from math and science to nutrition and social studies! Discover how to form partnerships with state agencies and community members to make your vision become a reality. Participants will receive copies of garden lesson plans and additional resources for garden education.

### #3 The Scrambled States of Agriculture (also offered in Session 1; see description above)

### #4 George Washington Pioneer Farmer

*Leanne Meisinger & Lynda Hampshire, Calvert County Public Schools, MD*

*Grades 3-5*

George Washington is known widely as "the Father of Our Country"; less known are his accomplishments as a pioneer farmer. This session focuses on how Washington modified his farm to increase and maintain crop production.

Photographs and primary sources are used to identify the crops he grew, how they were rotated, and ways he improved the soil for future productivity. CD of lessons provided.

### #5 The "Write" MOO-ves; Agriculture through Language Arts (also offered in Session 1; see description above)

### #6 Cows, Calcium and Cheese (also offered in Session 1; see description above)

### #7 Assembly Line Antics (also offered in Session 1; see description above)

## #8 Farming for Numbers

*Kate Tummino, Allegany County Public Schools, Maryland*

*Grades 3-8*

This interactive presentation includes intermediate math lesson plans that integrate agricultural content. Lesson plans focus on decimals, graphing, measurement, geometry, and even some genetics. Participants will take part in their own “farming” game experience utilizing number cubes. Be ready to move around.

## #9 Making Food Taste Great (also offered in Session 1; see description above)

## #10 McCormick & Company (also offered in Session 1; see description above)

# SESSION 3: Thursday, June 24, 3:30-4:20 pm

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## #1 Up for the Challenge: Lifetime Fitness, Healthy Decisions

*Rebecca Davis & Karol Dyson, University of Maryland Extension*

*All Levels*

*Up for the Challenge* is a fitness, nutrition and health curriculum for school-aged, middle school and teen youth. It is adaptable to in-school or afterschool setting. The 290-page curriculum is divided into five chapters with each chapter containing multiple lessons in physical activity, nutrition and healthy decision making. Lessons range in scope and length from 30-60 minute and consist of hands-on nutrition and physical activities. Each lesson provides expected youth outcomes, instructor essential information, preparation instructions, supplies, lesson time, a technology component, handouts and opportunities for reflection. This workshop will demonstrate how *Up for the Challenge* can be used to develop, support and promote the nutrition/agriculture connection.

## #2 Cooks and Books: Integrating Agriculture & Food Science through Literature (also offered in Session 4)

*Kelly Murphy & Jackie Jones, Illinois AITC*

*Grades 3-5*

Through classic tales of cooking, we will make agriculture and food science connections. This session will explore several "cook" books as literature combining math, social sciences, language, and food science into one tasty workshop. Books with agriculture companion lessons include: **All in Just One Cookie, A Song for Lena, Cook-a-doodle-doo, A Cow, A Bee, A Cookie and Me**, and the **Little Red Hen Makes a Pizza**. You will leave this session with practical lessons ready to pick up and use as a classroom teacher or a volunteer!

## #3 It's All about the Food

*Ann Numan & Katherine Griffin, International Plant Nutrition Institute*

*Grades 3-8*

In this exciting, fast-paced workshop, participants will learn about the scope of food requirements and the role of agriculture in meeting the needs of the world. Investigations concerned with bananas, potatoes, wheat, and corn will involve participants in using critical thinking skills to collect, compare, summarize and analyze data to determine relationships among the needs and processes of plants and food production. Each participant will receive the 60-page activity/lesson-plan booklet *It's All About the Food*. Also, each participant will receive a CD of activities and the booklets [Understanding Nitrogen in Our World](#) and [Fun with the Plant Nutrient Team](#).

## #4 Double Jeopardy: Agriculture & Climate Status

*Lorri Brenneman, Montana Dept. of Agriculture/Ag in Montana Schools*

*Grades 3-8*

Agriculture's role in our energy crisis is today's news! Want to learn about non biased curriculum on climate status, alternative energy, and the role agriculture plays in our energy future? Participants will join in an agricultural based jeopardy game and learn the tools for developing their own jeopardy game based upon their states role in agriculture, climate status, and alternative energy.

## #5 BOOK IT! Reading Strategies that Work ... and Align Your Ag Lessons to Standards

*Kristen Wescott, Maine AITC*

*All Levels*

Using a variety of text, related to agricultural themes, we will model the teaching of a variety of reading strategies for upper elementary classrooms, grade 3 - 6. Participants will select a book and will use sticky notes to write, chart and discuss strategies such as predictions, connections, summaries, inference and expressive words while reading. We will chart words for word work and phonemic awareness and set up KWL charts. The instructor will also model public speaking exercises and state Ag. Lessons through the use of a state "float" pageant and a state agriculture book written by the class.

## #6 Hi, Cotton!

*Louise Lamm & Ellen Gould, North Carolina AITC*

*All Levels*

Last year, NC Ag in the Classroom provided a sneak peek of its new lesson set about cotton. From Pre-Kindergarten through High School, there is important information to gather about how cotton affects our economy, food system, clothing choices, and every day life. The lessons are now complete and packaged properly. Every school system in North Carolina now possesses a lesson set complete with "anchor" books for various age levels. The lessons are now online and available to all educators. Join us for the official unveiling and a fun filled introduction to "Hi, Cotton!"

## #7 Assembly Line Antics (also offered in Session 4)

*Tonya Wible, PA Friends of Ag Foundation & Sharon Fox, Maryland Ag Ed Foundation*

*Grades 3-6*

Students are far removed from the processes that take food from the farm to their tables. This interactive session traces the myriad of farmers and workers necessary to complete this process. Active engagement in a mock assembly line simulation provides excitement, enthusiasm, and real-life learning for all participants. From this session, take back to your classroom all materials—including job badges & recipes—to replicate this fun-filled learning experience with your students. (Based on lesson originally developed by Alison Billman)

## #8 Connecting Your Program to FFA

*Melinda Bunselmeyer, FCAE*

*Grades 6-8*

Wanting to connect to high school students who are interested in Agricultural Literacy? Agriculture students have Agricultural Education as their SAE. Those students need hours, resources, materials and ideas to get started or expand their SAE. This workshop will provide practical experiences for educators, state contacts and agriculture literacy coordinators to connect with high school students. This in turn will help to expand programs and reach more students. Participants will discover examples and initiatives to connect high school students to elementary teachers, as well as, county and state Agriculture Literacy contacts.

## #9 Awesome Agriculture for Kids (also offered in Session 4)

*Susan Anderson & JoAnne Buggey, Univ. of Minnesota, Southwest Research & Outreach Center*

*All Levels*

This session will include "Agri Culture" (a tractor) and the Awesome Agriculture for Kids Series. It will integrate agriculture into your primary or intermediate classroom using children's books from the series. Books will be the focus of inquiry: modeling pedagogy, graphic organizers, and informal assessment. Graphic organizers such as an A to Z list and concept maps will be used. Applications to other areas of agriculture will be introduced. Participants will receive handouts and a chance to win a book from the series.

## #10 Electrify Your Education

*Natalie Bothwell, Lake Superior College*

*Grades 3-8*

Explore fun and interactive ways to teach students about science while improving research and reading skills. Take the energy challenge and play energy games in this hands-on workshop that will leave you with lots of activities and ideas to use for students to learn about science, renewable energy and ways to help our environment.

## SESSION 4: Thursday, June 24, 4:35-5:25 pm

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## #1 Walk this Way: From Cyberspace to the Classroom to Better Health

*Rebecca Davis, University of Maryland Extension*

*All Levels*

Walk this Way will explore creative ways to encourage physical activity through technology while highlighting agriculture, history and geography across the US and the world. Presenters will showcase youth centered, web resources ranging from walking across the state of Texas, Illinois, or Maryland to following the Iditarod Trail or across the Scottish Highlands.

## #2 Cooks and Books: Integrating Agriculture & Food Science through Literature (also offered in Session 3; see description above)

## #3 Ag in the Classroom Power Point Lessons

*Audrey Harmon, Kindergarten, Morrison, OK*

*Grades K-5*

Come experience several AITC Power Point lessons that will enrich AITC lessons. These slideshows add pictures to the lessons and increase students' interest levels and add excitement. These lessons cover a broad range of topics from cattle to grapes and from sheep to pumpkins and are available to each participant, free of charge! Lessons are offered in Power Point & Keynote versions so that anyone can access them and use them easily.

## #4 Make Reading Ag-Citing

*Dewandee Neyman, Alabama AITC*

*Grades K-2*

Participants will learn fun, innovative and ag-citing hands on activities to share with their students as well as be introduced to books that can be used to encourage ag literacy and education in the classroom. Each attendee will receive a book.

## #5 Goats in the Classroom - What Fun!

*Sarah Shriner, Middletown High School, Maryland*

*Grades K-8*

One of Maryland's latest programs is *Goats in the Classroom*. This session provides literature links such as the Three Billy Goats Gruff, Beatrice's Goat and The Goat Lady and activities with a live visit in the school with kid goats. Workshops participants will receive the resources necessary to replicate the lessons in K-8<sup>th</sup> grades as well as some tips/problems encountered in managing live animals in a school setting.

## #6 A World of Opportunities

*Jamie Picardy, Fisher College & Middlesex Community College*

*Grades 6-12*

This workshop focuses on the various technical career opportunities within the area of agriculture, environmental science, and natural resource conservation. Participants will learn how to introduce ag careers, such as biological engineering and veterinary medicine, to assess student skills and interests, and to share secondary and post-secondary educational preparation for ag careers with their students. Participants will leave the workshop with all activities to accomplish these three goals.

## #7 Developing Community Partnerships for your School & Classroom

*Anna Lyles, Mesilla Valley Maze/Lyles Farms Foundation*

*All Levels*

Many teachers, who are integrating Agriculture in the Classroom, find that the lack of real life applications hampers their ability to successfully share Ag information with their students. What they need are personal connections with the world of farming that can directly impact the students understanding of Agriculture. This workshop will present ideas and examples which will give classroom teachers and school administrators the tools necessary to develop personal relationships and professional partnerships with those people directly and indirectly involved with the farming community. Discussion and resource ideas will focus on people, businesses and organizations that are able to provide funds and knowledge that can enrich the educational experience.

## #8 Awesome Agriculture for Kids (also offered in Session 3; see description above)

# SESSION 5: Friday, June 25, 10:00-10:50 am

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## #1 Days of Taste

*Riva Eichner Kahn, American Institute of Wine & Food*

*Grades 3-5*

This session shares a discovery-based program, funded and developed by the American Institute of Wine & Food, with two major goals – to teach children where their food originates and to help them realize for themselves that farm-fresh food is not just healthy, but tastes good too. Students interact with professional chefs and farmers to experience eating various foods, to learn how food travels from farm to table and to prepare a harvest salad and dressing with ingredients “balanced” to their personal preference. Participants will leave the session with resources and hands on ideas to help students become more adventuresome, healthy eaters!

## #2 Gardening: An Effective Tool to Teach All Subjects (also offered in Session 6)

*Lisa Gaskalla, Florida AITC*

*All Levels*

Attend this workshop to learn how to use schoolyard and classroom gardens to teach all subjects, including agriculture, language arts, math, nutrition, science and social studies. Florida Agriculture in the Classroom has developed a guide called “Gardening for Grades” that educates teachers and agriculture industry volunteers on how to develop gardens as an effective teaching tool for any subject. Workshop goers will receive a free copy of “Gardening for Grades” and instruction on how teachers and volunteers can gain support from school administrators, locate grant money to pay for these gardens and use the garden as a teaching tool. It also includes guidance on how to plant different types of gardens such as literature gardens, biofuel gardens, edible gardens and others.

## #3 What's in a Cookie? (also offered in Session 6)

*Staci Disney-Walker, Vermillion County Farm Bureau/Illinois AITC*

*Grades 3-8*

Kids love to eat cookies, but do they know what ingredients are in a cookie or where those ingredients are grown or produced? We will travel the globe in search of the ingredients needed to make chocolate chip cookies. Using the book, **All in Just One Cookie** by Susan Goodman, a series of lesson plans have been produced and gathered to study each of the ingredients. Social studies, English, math and science lessons will take us from Vermont to Hawaii, from Mexico to West Africa and other points of interest along the way. Do you know what's in a cookie?

## #4 Agri-Tales (also offered in Session 6)

*Tonya Wible, PA Friends of Ag Foundation*

*Grades K-4*

Since agricultural concepts are not always front and foremost in the classroom curriculum, educators interested in incorporating agriculture need to find basic skills (sequence, compare & contrast, read to be entertained or informed, write to persuade) that are taught and then give them an “ag” twist. This session shares some ways that agriculture can connect with fairy tales, folk tales, and nursery rhymes, thereby increasing the opportunity for agricultural concepts to be taught. Re-meet Jack and the Beanstalk, the Three Little Pigs, Humpty Dumpty and many more characters in lessons that can provide a real “AG” twist!

## #5 At Home on the Range with GoogleEarth (also offered in Session 6)

*Lyndi Perry, Utah AITC*

*Grades 6-12*

Discover the power of GoogleEarth to explore your states agricultural land. This presentation uses GoogleEarth imaging technology to demonstrate how historical photos and today's images can be merged to tell an agricultural land's story and perhaps predict its future. Specifically, this presentation will contrast Forest Service photographs of rangeland, dated between the 1890s and 1960s, with updated photographs and GoogleEarth's explorative landscapes. The information and methods presented can easily be adapted to highlight environmental issues across the globe, putting them into an interactive, visually-based approach and geographical perspective that can have a major impact on many types of learners.

## #6 Ag-Expectations at the Fair

*Becky Brashear, The Great Frederick Fair, Maryland*

*All Levels*

For years Frederick County has partnered with the local school administration and classroom teachers to create a fair that educates the fair-going public and provides them with more than rides, food and entertainment. Come learn about adaptable themes and ideas for your local, county, regional or state fair. Successful programs to be included are: City Streets-Country Roads (ag awareness exhibit), Birth to Blue Ribbon, Spuddy Buddy, Let's Grow a Pizza, “One Foot, Two Foot”, and “R-U-N2-Ag?”. This session will fill you with many new and exciting ideas and themes for a variety of venues.

## #7 Summer Science: "Getting Down on the Farm"

*Lindsey Keith-Vincent & Diane Madden, Louisiana Tech University IDEA Place*

*Grades K-6*

Summer Science: Getting Down on the Farm resulted from an idea that was developed from a 2008 Louisiana Farm Bureau "Ag in the Classroom" workshop. Partners in the summer endeavor included the Louisiana Tech University's Department of Agricultural Sciences and Farm Bureau. The summer camp for Kindergarten through 6th graders, offered through The IDEA Place Math and Science Center, provided hands-on activities and real-world Ag-Science experiences. This session will discuss the program, the activities, and the networking related to this project and how to start a similar partnership and academic camp.

## #8 Cancelled

## #9 Exploring the Unknown through Experiments (also offered in Session 6)

*Tom Zinnen, University of Wisconsin-Madison*

*Grades K-5*

Experience science through experiments based on food; encourage students to develop their skills of expressing and testing ideas; test-drive activities geared to be intriguing, affordable, quick and shareable at home. Try your hand and your ingenuity at "Which Makes Better Bubbles: Skim Milk or Whole?"; follow-up with a parallel exploration of three colors of popcorn; and use an ice-cube tray for your first foray into chemistry by comparing water and vinegar mixed with baking soda and baking powder, sugar and flour, and cornstarch and salt.

## #10 Technology, Agriculture & Picture Books

*Lola Knutson, Wahpeton Public Schools, Central Elementary*

*Grades K-8*

This presentation combines the use of picture books as models for writing, technology like the SMART board or Eno board, and agriculture. Reading skills such as main idea, inference, cause and effect, etc. will be highlighted as agriculturally related terminology and products are the focus for patterned writing. Modeling and special techniques will be done using an ENO board or SMART board.

## SESSION 6: Friday, June 25, 11:00-11:50 am

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### #1 Graphing the Food Pyramid with the Garden Chef

*David Pippin, Virginia AITC*

*Grades K-5*

Graph your way to a balanced diet in this dynamic and cross-curricular workshop. Participants will use food labels to analyze and evaluate their nutritional intake. Workshop activities highlight Virginia AITC's latest creation – the Garden Chef book. Participants will take home their own copy as well as fun new ideas for their classrooms.

### #2 Gardening: An Effective Tool to Teach All Subjects

(also offered in Session 6; see description above)

### #3 What's in a Cookie? (also offered in Session 5; see description above)

### #4 Agri-Tales (also offered in Session 5; see description above)

### #5 At Home on the Range with GoogleEarth (also offered in Session 5; see description above)

## #6 School Gardens: The Why, When, Where & How

*Constance Carter, Library of Congress*

*Grades 3-8*

We will dig into the 19th-century history of school gardens, President Wilson's School Garden Army, and the revival of school and youth gardens in the 21st century to highlight innovative programs. See how a garden becomes a vehicle for encouraging physical fitness, building character fostering hands-on learning, teamwork, and personal growth. Resources from the Library of Congress (school gardens webcast, handouts, books) and experiences of teachers will enable participants to discover new ways of bringing the school garden into the classroom and lunchroom.

## #7 Grains All the Way

*Lacie Ashby, University of Maryland Extension*

*Grades 3-5*

The “Grains All the Way!” workshop advances youth development by blending agriculture literacy and nutrition education, utilizing a modified delivery model. The hands-on presentation demonstrates an innovative, interactive curriculum that simultaneously creates long term relationships with administrators and teachers in public and private schools. Targeting elementary subjects, the school-based educational program focuses its materials to not only garner health benefits but also explore whole grain production, manufacturing, processing and utilization. Program seminar participants will gain information necessary to implement their own grains education programs. The program incorporates materials to use both within the classroom and at home

## #8 Music in the Ag Classroom

*Cheryl Bombenger & Ashley Bombenger, Teaching Activities Done Aesthetically (TADA)*

*Grades K-5*

The “Music in the Ag Classroom” series is a combination of songs that teach tunes about farming, nutrition, plants, vegetables and crops, in addition to insects, and historical events. The songs will excite your students and are tied to all curriculum areas, meeting state standards and benchmarks. Learn how to use songs to improve learning, increase retention, and make your classroom a high energy place of learning.

## #9 Exploring the Unknown through Experiments

*(also offered in Session 5; see description above)*

## #10 Hide and Seek

*Laurie Adelhardt, Owl Creek Consulting*

*Grades 3-12*

Check out two emerging technologies, GPS receivers and geocaching, by locating hidden data-rich geocaches in the worldwide game of hiding and seeking treasure. Learn about GPS's development and applications in agriculture, how to find and mark waypoints using GPS receivers, and navigate a geocaching course. Walk away with ideas and resources for designing and implementing effective learning environments in and outside the classroom to get started in this latest tech adventure.

## TRAVELING WORKSHOPS: Friday, June 25, 1:30-8:00 pm

*New this year for many of the tour stops will be lesson plans or links with lesson ideas that are related to the tour stops. Regardless of your tour, these resources will be made available to all traveling workshop tour participants.*

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## #1 Wegmans, Baltimore Coffee & Tea Company & Valley View Farms

- At **Baltimore Coffee and Tea Company** you will explore a coffee roasting, wholesale and retail operation that has been a family business since 1895. Learn how they created a business to last generations, working with growers and brokers from around the globe, to then market their products throughout North America and Europe. ([www.baltcoffee.com](http://www.baltcoffee.com))
- **Wegmans Food Market** tour will highlight how they offer in their 140,000 sq.ft. store up to 700 varieties of fresh produce every day, connect with local farmers and food producers, and respond to local tastes and traditions when a new store is opened. Visit the store's seafood market that focuses on freshly caught fish, cut to order every day. Discover how the store maintains its reputation for exceptional quality and commitment to consistent low pricing. See how the principals of excellent customer service and community relationships can become the foundation for a thriving business.
- **Valley View Farms** began as a produce stand and has expanded to become a premiere garden center with year-round seasonal departments. The shopping experience includes a complete selection of trees, plants, water gardens, garden accessories and expert advice. We will tour the facility and meet with their staff for a classroom friendly planting project and tips on how to create the perfect hanging basket. ([valleyviewfarms.com](http://valleyviewfarms.com))

## #2 Cancelled

## #3 Living Farm Heritage Museum & Shamrock Equine Farms

- **Living Farm Heritage Museum** will present five hands-on stations of historical significance to both agriculture and domestic life practices over the years. This tour will culminate in a group activity that "ties" the total experience together. ([www.farmheritage.org](http://www.farmheritage.org))
- **Shamrock Equine Farms** is a thoroughbred and standardbred operation in Maryland, a state rich in horse history and home of the Triple Crown Race, the Preakness. This tour will touch on breeding, foaling, birthing and standards.

## #4 Sauder's Egg Packing Plant, Seller's Dairy & Lippy Brothers Farm

- **Sauder's Egg Packing Plant** provides a behind-the-scenes trip as fresh eggs move into the plant, are washed, candled, graded and packed for shipment. The machinery and processing are amazing and guarantee the visitors will never again look at a carton of eggs in the same way.
- **Seller's Dairy** provides participants an up-close and personal visit with a local dairy farmer and his cows. Discover the entire milking process, grain production and storage aspect, and waste disposal methods of a dairy operation.
- **Lippy Brothers, Inc.** is one of the region's largest and most diverse agricultural operations producing grains, vegetables, livestock and eggs using sophisticated technology and management tools. We will visit their large, automated, egg-layer operation.

## #5 Brooms Bloom Dairy & Mobile Science Labs at Swan Harbor

- **Broom's Bloom Dairy** is an interesting mix of ancestral history and new beginnings. The farm dates back to the early 1700's and is supporting its 9th generation of the Dallam family. In 1997, David and Kate Dallam started milking 65 cows on the farm and even more recently they started making and selling old fashioned ice cream, farmstead cheese and pork sausage. Meet the family and learn about their experiences in engaging in a

new venture. You will definitely want to purchase an ice cream cone from their incredibly varied menu. ([www.bbdairy.com](http://www.bbdairy.com))

- **Mobile Science Labs** have been part of MD Agricultural Education Foundation's education program for 16 years. This tour stop enables you to visit all three labs (Ag Products, Food, Fiber & You, and Aquatic) and experience some hands-on activities and lessons employed as part of this unique elementary level teaching and learning environment. The Maryland Agriculture Showcase (a traveling ag awareness exhibit) will also be available to tour. Participants will also get a quick peek at the MAEF headquarters located along the uppermost part of the Chesapeake Bay. ([www.maefonline.com](http://www.maefonline.com))

## #6 Pepsi Bottling Company & Weber's Cider Mill Farm

- **Pepsi Bottling Company** beverage business was founded in 1898 by Caleb Bradham, a North Carolina, druggist, who first formulated Pepsi-Cola. This rare behind-the-scene tour of the bottling plant will delight even Coke drinkers!
- **The Weber's Cider Mill Farm** traces the history of a small fruit and vegetable farm from 1908 to today's 10 month medium-sized roadside market that has added "agri-tainment" events along with an Olde Barn Gift shop and "scratch" bakery. This tour provides new venues to old standbys as folks with two incomes and leisure time make this stop a destination. From Jelly Tasting Pancake Breakfasts to Hillside Slides, Weber's showcases it all! ([www.webersfarm.com](http://www.webersfarm.com))

## #7 Fort McHenry & Hampstead Hill Academy

- **Fort McHenry**, a national landmark, is a star shaped fort best known for its role in the War of 1812 when it successfully defended Baltimore Harbor from an attack by the British navy in the Chesapeake Bay. It was during this bombardment of the fort that Francis Scott Key was inspired to write "The Star-Spangled Banner," the poem that would eventually become the national anthem of the United States. Visitors will view a short orientation film and then tour the fort. ([www.nps.gov/fomc](http://www.nps.gov/fomc))
- **Hampstead Hill Academy**, an urban elementary school, has created a unique gardening (can we also say nutrition and cooking) opportunity for its students amid concrete sidewalks, roadways and row houses. This green oasis sports a pollinator section, an aroma therapy area, a Native American spot, as well as plants native to specific countries. Visit this school and then join the school garden's teacher to experience some of the program's activities first hand.

## #8 Fort McHenry & John Smith Trail

- **Fort McHenry**, a national landmark, is a star shaped fort best known for its role in the War of 1812 when it successfully defended Baltimore Harbor from an attack by the British navy in the Chesapeake Bay. It was during this bombardment of the fort that Francis Scott Key was inspired to write "The Star-Spangled Banner," the poem that would eventually become the national anthem of the United States. Visitors will view a short orientation film and then tour the fort. ([www.nps.gov/fomc](http://www.nps.gov/fomc))
- **John Smith Trail at North Point** – North Point State Park is an official stop along the Captain John Smith Chesapeake National Historic Trail. After founding the first permanent English settlement on Jamestown Island in 1607, Smith and his fellow adventurers spent two years exploring, mapping, and recording nearly 3,000 miles of the Bay and its rivers. Interpreters will help you learn about the native cultures and natural environment of the 17th-century Chesapeake and the rich diversity of this national treasure. ([www.nps.gov/cajo](http://www.nps.gov/cajo))

## SESSION 7: Saturday, June 26, 8:00-8:50 am

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### #1 Teaching about Agriculture and Good Nutrition

*Lisa Gaskalla, Florida AITC*

*All Levels*

Teachers and agriculture industry volunteers are invited to this session about how Florida AITC has developed an educational tool that teaches students about the state's agriculture production and good nutrition at the same time. "Growing Up Healthy with Food from Florida" is an eight-page activity newspaper for 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> graders that teaches students about the state's production of orange juice, grapefruit, strawberries, blueberries, vegetables, rice, peanuts, beef, seafood and dairy products. It includes facts and figures about the nutritional value of these commodities and the importance of including them in a healthy diet. Join Florida's AITC's State Contact as she walks educators through the guide and conducts activities that drive home the message of the importance of Florida agriculture and the role it plays in healthy eating.

### #2 Gardening with Kids the Easy Way

*Heather Burt, Filtrexx International, Ohio*

*All Levels*

Discuss the benefits of gardening in school environments and ways to get started regardless of space and budget limitations. Session will highlight activities and ideas represented in a new activity book from the United States Compost Council, the National Gardening Association and Filtrexx International. Topics range from how to use community resources to implement a low cost growing systems, list of activities with curriculum connections, ways to use compost to improve garden efficiency, small things you can do to get started composting in schools, plus general information that will give people the confidence they need to start gardening with children.

### #3 Mama Mia Pizzeria (also offered in Session 8)

*Joni Wallman, Indiana Farm Bureau, Inc.*

*Grades K-5*

Having a great theme and having fun will make learning enjoyable for everyone. We've taken everyone's favorite food and turned it into a variety of lessons that use agriculture, science, math, and English. Come and get ideas that you can use as an entire theme or break apart and use individually. Ideas include making cheese in the classroom, making a pizza garden, learning how all the parts of a pizza come from a farm, get a glimpse of the great books about pizza that your students will love, and get moving to some pizza exercises! A Pizzeria in your classroom!

### #4 Assessment of Your Ag Literacy Program

*Monica Pastor, University of Arizona Cooperative Extension*

*All Levels*

How do you measure the effectiveness of your Ag Literacy program? If you are a classroom teacher, a State Contact, or an informal educator this workshop will help you with ideas on how to assess your student's knowledge, comprehension and application of the information you have taught. Performance-based assessment ideas will be shared as well as results of research of Ag Literacy program effectiveness that has been conducted. Learn about the results of the USDA funded AITC: Academic Achievement Study and the recommendations for new research ideas. Also, bring ideas on how you assess your program.

### #5 Bringing Agriculture into the Elementary Classroom

*Kristy Chastine, Tennessee Foundation for AITC*

*Grades K-5*

Have you ever wondered how to bring agriculture into your classroom? Farm animals aren't allowed. Crops have already been harvested. Resources for a field trip are limited. BOOKS are your answer!! Come see Tennessee's Agricultural Literacy Library put together to bring agriculture to the classroom when other resources are limited. This library includes eleven ag-themed children's books and is full of hands-on activities. Learn how to put together your own Agricultural Literacy Library, get book ideas, obtain hands-on activities, and discover other ideas to bring agriculture into the classroom with limited resources.

## **#6 Here a Seed, There a Seed** (also offered in Session 8)

*Tonya Wible, PA Friends of Ag Foundation*

*Grades K-3*

Watching seeds germinate brings delight to both children and adults. This session provides an opportunity to "dig in" to many different seed activities that can be "planted" in your classrooms to foster hands-on learning with your students. Come learn how to plant the seeds of inquiry in your students and then take them back to your classroom to watch the learning grow!

## **#7 Get SMART with Illinois Ag in the Classroom** (also offered in Session 8)

*Kelly Murphy & Carrie Schreiber, Illinois AITC*

*All Levels*

Attendees at this workshop will be exposed to multiple SMART Board lessons related directly to AITC. Enter the next age of teaching technology, and find what is available for your AITC lesson plans at the click of a mouse.

## **#8 Farm to Table & Beyond** (also offered in Session 8)

*Pamela Koch, Teachers College Columbia University*

*Grades 3-8*

With food sustainability a growing topic, we will demonstrate activities from our teacher guide *Farm to Table & Beyond* to incorporate the study of food, food system and the natural environment into science class. Educators will learn how to conduct inquiry-based investigations that explore how food travels from the farm to our table, and how the environment is affected by our current food system. Through these experiences students will enrich their knowledge of our food system by conducting hands-on activities, self-exploration and scientific analyses. Teachers will receive a packet of activities ready for classroom use.

# **SESSION 8: Saturday, June 26, 9:00-9:50 am**

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## **#1 Cultivate the Curriculum**

*Suzanne Macauley, New Jersey Agricultural Society*

*Grades K-8*

This workshop will be a "how-to" for schools that want to start a gardening program. Topics covered will include choosing a site for your garden, what to plant, outdoor classroom management, and connecting to everyday curriculum.

## **#2 Planting Positive Perceptions of Agriculture**

*Curtis Miller, American Farm Bureau Foundation for Agriculture*

*All Levels*

As the public becomes further removed from the origins of their food, fiber and fuel, it becomes more important that educational programs and materials are made available to create understanding of agriculture. Come experience what the American Farm Bureau Foundation for Agriculture has to offer from pre-K through 12<sup>th</sup> grade classrooms, as well as

teacher and consumer educational programs! This work shop will focus on hands-on, standard-based resources which will help you tell the story of agriculture while creating positive perceptions of agriculture to any age or grade level. Many new projects including My American Farm online game, 2010 Book of the Year teacher packets, Busy Barnyard lesson plan and Accurate Ag Books list will be presented, as well as activities from Food and Farm Facts and The Man Who Fed the World classroom resources. You will be sure to leave this workshop motivated, excited and prepared to take on the world as you go forth to build awareness, understanding, and a positive public perception of agriculture.

### **#3 Mama Mia Pizzeria** (also offered in Session 7; see description above)

### **#4 In the Field with Arizona Agriculture**

*Monica Pastor, University of Arizona Cooperative Extension*

*Grades 4-6*

Learn about the field days that were conducted in Arizona using USDA Specialty Crop grant money. Emphasis for each day was on nutrition, specialty crops (produce, honey, nursery) and Standards-based lessons. Examples of the eight lessons utilized plus the coordination of the event will be shared. The field days were held at a school for 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> grade students. Transportation for other schools to participate was paid for out of the grant. Learn how we partnered with our Extension SNAP Ed program to make this a success. Assessments of the day will also be shared.

### **#5 Favorite Herbs for the Classroom & Schoolyard**

*Debi Hogan, Massachusetts AITC Program*

*All Levels*

Meet a variety of easy to grow herbs that add wonder and sensory exploration to the classroom and schoolyard. Learn about their history, lore and value for fragrance, culinary use, medicine and ornamental qualities. Tips for engaging children's interest and cross curricular connections will be made. This session provides herbs for you to admire, smell, feel and taste, as well as samples to take home.

### **#6 Here a Seed, There a Seed** (also offered in Session 7; see description above)

### **#7 Get SMART with Illinois Ag in the Classroom**

(also offered in Session 7; see description above)

### **#8 Farm to Table & Beyond** (also offered in Session 7; see description there)