# California Agriculture in the Classroom 20<sup>th</sup> Annual Conference



Остовег 22 - 24, 2015 Long Beach, CA

## SCHEDULE AT A GLANCE

## THURSDAY

8:00 AM - 6:00 PM	REGISTRATION
9:00 AM - NOON	PRE-CONFERENCE TOUR -
	NARRATED CRUISE OF PORT
12:00 PM - 6:00 PMHOSPITALITY AND TEACHER STORE	
1:30 PM - 2:00 PM	WELCOME SESSION
2:30 PM - 4:00 PM	MAKE 'N' TAKES
4:00 PM - 5:00 PM	WORKSHOPS
5:15 PM - 6:15 PM	RECEPTION WITH EXHIBITS
6:30 PM	DINNER

### FRIDAY

7:30 AM - 6:00 PM	REGISTRATION
7:30 AM - 6:00 PMH	IOSPITALITY AND TEACHER STORE
8:00 AMGE	NERAL SESSION WITH BREAKFAST
9:00 AM - 10:00 AM	WORKSHOPS
10:15 AM - 3:00 PME	ARM TOURS WITH LUNCH OFFSITE
3:00 PM - 4:00 PM	WATER WORLD
4:00 PM - 5:00 PM	EXHIBIT HOUR
5:00 PM - 6:00 PM	BREAK
6:00 PM	A TASTE OF CALIFORNIA DINNER

### **SATURDAY**

7:30 AM - 11:00 AM	REGISTRATION
7:30 AM - 11:00 AMHOSPITA	LITY AND TEACHER STORE
8:00 AM	BREAKFAST
8:30 AMIMAGINE THIS	OUTSTANDING EDUCATOR
9:15 AM	FARMER PANEL
11:00 AM - 12:00 PM	FLOWER ARRANGING 101
12:00 PM	LUNCH
1:30 PM	BON VOYAGE



Butcher shop

## Welcome aboard The Queen Mary!

After a long history of safely carrying many dignitaries, soldiers and celebrities to destinations across the globe, The Queen Mary now calls Southern California her home. We welcome you aboard this distinguished ship to celebrate California agriculture and explore the journey from farm to you. We hope you will be inspired to help students appreciate the abundance of food, fiber and flowers produced in California.

The coastline is a great reminder of how fortunate we are to live in a state with such diverse natural beauty. We are also privileged to enjoy a variety of fresh and affordable food, including fruits, vegetables and nuts. Our state grows more than 400 crops with the help of its fertile soil, long growing seasons, and dedicated farmers, ranchers and farm workers. Even in a time of severe drought, California continues to provide citizens of the state, country and world with nutritious food. It is easy to be amazed by our food system.

There is no better place than Los Angeles county to discover that agriculture is more than a farm scene from an old-fashioned storybook. It is more than its beautiful farms and ranches. The agricultural industry includes a diverse array of careers in areas such as food science, engineering, packaging, veterinary science, food safety, marketing and transportation. We hope you will help tell this story to our youth, so they can discover how food and fiber impact their lives. Perhaps they may even discover a career opportunity, where they can help create an even brighter future.

Although The Queen Mary is now retired from her long voyages at sea, she is still the starting point for many adventures to come. This next year, the California Foundation for Agriculture in the Classroom will celebrate 30 years of providing resources and opportunities to California educators and students, and we are still moving full STEAM ahead. Thank you for setting sail with us on the 2015 California Agriculture in the Classroom Conference. We know you face many challenges. Please let us know how we can help as you continue to teach your students about the journey their food travels from farm to fork.

Bon Voyage!

(Å)

Judy Culbertson Executive Director



Sowing corn

## THURSDAY

## Registration

8:00 am - 6:00 pm

### **Cruise of the Harbor**

Pre-conference Tour 9:00 am - 12:00 pm

Take a tour of Long Beach port where you will learn the history of the harbor, see large cargo and container ships from all over the world, and enjoy the beautiful Long Beach skyline.

## Hospitality and Teacher Store

Kings View Room – "Promenade" Deck 12:00 pm - 6:00 pm

## Welcome Session

1:30 pm - 2:00 pm Britannia Room – "M" Deck Judy Culbertson, Executive Director, California Foundation for Agriculture in the Classroom

Farm: Nature's Original Classroom: Jim Houston Undersecretary, California Department of Food and Agriculture

## Make 'n' Takes

2:30 pm - 4:00 pm

Britannia Room – "M" Deck

#### 1. What do I write about? Nancy Harris, K.J. Nancraft Grades: 3-8

Create an idea wheel that will help students brainstorm subjects to write a story about. Each wheel will have 8 subjects and multiple action words that will help teachers/students get their creative juices flowing.

#### 2. Wonderful Watermelon Jennifer Stone, Isabelle Jackson Elementary Grades: K-3

Participants will make a watermelon art project with black line master, a watermelon math game ready to use in the classroom, and receive watermelon handouts and resources.

#### 3. Writing Grants that get Money! Ann Hennessev, Franklin High School Grades: K-12

This Make 'n' Take will include tips on how to write successful grants and ideas on where to look for grants. Participants will be asked to bring sections of grants they are currently writing for collaborative editing and problem solving.

#### 4. Seed Sort Liz Dawley, Colusa County Grades: 3-5

Seeds grow into plants that produce the beans we eat. Detectives observe carefully and use reasoning and logic to answer questions. Use a sorting map to observe all the beans in this kind of soup. Do you eat all these beans and seeds?

Starboard – "A" Deck

Front of Hotel

#### 5. Gourd Key Ring Lee Mason Grades: K-12

Come make a key ring by using pieces of gourds. While decorating your key ring, you will learn how to grow and clean gourds.

#### 6. Can you see me now? Learning from Insects Jacki Zediker Grades: K-4

This make in take will allow teachers to incorporate science and arts using bugs to gain student interest.

#### 7. Imagine this... Mary Landau, Regional Coordinator, Imagine this... Grades: 3-8

Come learn how California 3rd through 8th grade students can become published authors. Inspire your students to show off their creative writing skills in this exciting and fun contest, while increasing their knowledge and appreciation of California agriculture.

#### 8. Golden State Spread Ernest Miller Grades: 4-12

Learn to make (and sample) a historic recipe published in the Montebello Daily News in 1919, *Golden State Spread*. It is a simple recipe with only four ingredients, but illustrates important aspects of the development of agriculture in our great state. And, best of all, a single sample contains 100% of the USDA daily recommended allowance of California history.

#### 9. The Language of Life: Genetics helping Farmers to Produce More with Less Maureen Mazurek, Monsanto Grades: 7-12

As the world population continues to grow and the available arable land decreases, farmers will need to produce more food, fuel and fiber in the next 40 years than in the previous 10,000 combined. Providing farmers with the best traits and technologies will help them meet the demand of a growing population while conserving mother earth's precious natural resources. In this session we will be discussing DNA and the importance of understanding the basics of DNA in order to imagine the capabilities of DNA as a tool for farmers.

#### 10. Garden in a Glove Jennifer Ray, California Foundation for Agriculture in the Classroom Grades: K-6

See how you can use simple materials to grow a garden in your classroom! Make your own Garden in a Glove, complete with fruit and vegetable seeds and a journal. Participants will take home a variety of seeds to plant in a school garden.

## THURSDAY (CONT.)

### Workshops

4:00 pm - 5:00 pm

#### 1. Lessons Learned Grades: 3-5 Dr. Browning Neddeau, California State University, Monterey Bay Victoria Room - "Promenade" Deck

Lessons Learned will integrate arts and agriculture across the curriculum in grades 3-5. Participants will engage in Common Core State Standards-aligned lessons that integrate the arts and agriculture in meaningful ways. The lessons are grounded in the Four C's of the Common Core and Studio Habits of Mind. Participants will leave the workshop with lesson ideas that can be implemented the next school day.

#### 2. Projects for Teaching Organic Agriculture in the Classroom Grades: 4-8 Jessica Parr, California Certified Organic Farmers

#### **Regent Room - "Promenade" Deck**

As certified organic agriculture is a growing portion of the farming landscape in California, teaching about the distinctions of organic agriculture to the K-8 audience has become increasingly important. This workshop will clarify what organic farming is and provide project ideas that integrate the concept of organic farming into the classroom. Examples include organic fruit tree care, classroom compost making, integrated pest management lessons and raising animals organically.

#### 3. Using Nutrition Education to Support Common Core and Food Literacy Grades: K-8 Review Welch and Gondies Spins, Deiry, Geumeil of Golifermia

#### Devin Welch and Candice Sainz, Dairy Council of California Caronia - "B" Deck

Food provides students with a real-world context for practicing critical skills that prepare them for college and careers. Explore with us how the subject of nutrition is cross-curricular and naturally aligns to the Common Core State Standards. Learn about new free resources and strategies to bring the farm to school and bring food literacy into the classroom, cafeteria and home!

#### 4. Fuel Greatness Grades: K-12 Presenter: Amber Valenzuela, California Milk Advisory Board Carpathia - "B" Deck

Empower youth, schools and communities to implement healthy changes across the nation. Learn how you can incorporate healthy eating and physical activity into your lesson plans, while encouraging student leadership. Fuel Up to Play 60 is a fun program sponsored by dairy farmers and the National Football League that helps you make your school an even healthier place. And the best part? You get to put your ideas and plans into action to help others eat healthful snacks and meals and get active. Come learn how you can fuel greatness in your students and community.

#### 5. Under Your Feet: The Science of Soil Grades: 6-8 Rick Phillips, Simplot Agribusiness & DeAnn Tenhunfeld, CFAITC Mauretania Room - "M" Deck

Need to add life to your soil science lessons? This workshop includes activities to make your soil unit a success, such as examining plant-essential nutrients and soil properties. Come learn about all the educational resources and materials Nutrients for Life has to offer.

## **Reception & Exhibit Hour**

5:15 pm - 6:15 pm "Promenade" Deck Join us for wine and appetizers as we meet and mingle with other educators and learn about organizations from around the state and the educational resources they provide.

### Dinner

6:30 pm Verandah Grill - "Sun" Deck Expanded Learning - Sparking Students' Passion and Potential: Michael Funk, Director, After School Division, California Department of Education



Farmer harvesting crop



Loading food onto the ship

## FRIDAY

### Registration

7:30 am - 6:00 pm

"Promenade" Deck

### Hospitality and Teacher Store

7:30 am - 6:00 pm

Kings View Room – "Promenade" Deck

## **Breakfast**

8:00 am - 9:00 am Queen's Salon - "Promenade" Deck Invasive Species in California Agriculture: Martin Hauser, California Department of Food and Agriculture, Senior Insect Biosystematist

### Workshops

9:00 a.m. - 10:00 am

1. What's Bugging You? Grades: 4-6 Sue Squires, Los Olivos Elementary School Verandah Grill - " Sun" Deck

Pest management is an important component of agricultural production and healthy living. This session will review a lesson that teaches students about the agricultural pests around their homes and what attracts them. Then, students will research how they can be controlled. This lesson is aligned to Common Core State Standards and Next Generation Science Standards.

#### 2. Power of a Flower

### Grades: 3-7

#### Judy Honerkamp, Bauer Speck Arts Magnet Elementary School and Christina Wilkinson, Lillian Larsen Elementary School Regant Room - "Promenade" Deck

When viewing a landscape, what is the first thing that catches your eye? Flowers-beautiful, bright flowers. Flowers give shelter and food and make certain there will be another generation of plants. Through engaging STEM activities, participants will explore the "Power of a Flower." Activities span grades 3-7 and include special education, flower examination, researching pollinators, engineering flower designs and integrating math reasoning.

## 3. Rain Gardens - The Dirt on Clean Water Grades: K-12

#### Dixie Sandborn, Extension Specialist, Michigan State University Royal Salon - "Promenade" Deck

This session will highlight the science behind rain gardens and how run-off water is filtered through the soil to help keep contaminants out of our ground water supply. Rain gardens are beautiful and a great way to teach environmental stewardship. Many educational standards will be met while planning and building a rain garden. Rain gardens can also serve as a community outreach project.

## 4. A Novel Approach to Safe Food Handling Education Grades: 7-12

#### Dr. Christine Bruhn, and Dr. Betty Feng, UC Davis Verandah Grill - " Sun" Deck

Foodborne illness is an important public health issue in the United States. Although people are aware of food handling guidelines, few practice them. 48 million illnesses and 3,000 deaths are caused by foodborne illnesses each year. This workshop designed for grades 7-12 will describe a novel educational approach to safe food handling, to help prevent foodborne illnesses in your community.

#### 5. Planting Seeds of Health: Teen Garden Corp Grades: 9–12 Debra and Lee Mason, Bay Point Community Foundation

#### Victoria Room - "Promenade" Deck

The Teen Garden Corp program is a six-week summer program for youth between the ages of 14 and 20. Youth participate in engaging activities where they learn about gardening, nutrition, leadership, job skills and community service. Learn how to leverage resources in your community to provide this kind of program for the youth you serve.

## **Farm Tours**

10:15 am - 3:00 pm

Plan on wearing sensible, comfortable, closed-toed shoes. We will be exploring a variety of agriculture sites, which means you may get dirty! Also consider bringing a hat if you'll be outside, and perhaps a jacket. Buses will return to the hotel at 3:00 p.m.

- 1. **Pumpkin Patch** Take a tour of the only working farm in Orange County that grows pumpkins and gives you the opportunity to select that perfect pumpkin.
  - Tanaka Farms Irvine, CA
  - Centennial Farms Costa Mesa, CA
- **2. Flower Power** Discover Southern California's beautiful nursery crops, from herbs to flowers.
  - Centennial Farms Costa Mesa, CA
  - Village Nursery Huntington Beach, CA
- **3. Incredible Edible** Take a peek at some of Orange County's top crops, and learn how they are grown, packed and sold.
  - OC Produce Irvine, CA
  - Centennial Farms Costa Mesa, CA

### Lunch will be served during your tour at Centennial Farms

## FRIDAY (CONT.)

## Water World

3:00 pm - 4:00 pm Royal Salon - "Promenade" Deck Explore the world of water education activities by visiting a variety of fun, hands-on stations. Collect stamps along the way and soon you will become a well-equipped certified water expert. Turn in your Water World passport to earn prizes and enter to win a \$50 giftcard to the Agriculture in the Classroom store.

## Exhibit Hour

4:00 pm - 5:00 pm "Promenade" Deck Join us on the Promenade Deck for our exhibit hour. Learn about organizations from around the state and how their educational resources can benefit you and your classroom!

## A Taste of California Dinner

6:00 pm Queen's Salon - "Promenade" Deck This dinner is a much anticipated celebration of California's agricultural diversity and the many people that work to maintain the viability of the industry that supports our daily lives. The Taste of California Dinner truly is the definition of "info-tainment." Prepare for an exceptionally informative chat over dinner with your table host, each representing an agricultural organization and/or one of California's top 15 most valuable commodities. Be warned, you might be tested on what you learn!

Agriculture in the Media: Tracy Sellers, Host, California Bountiful, California Farm Bureau Federation



The Queen Mary carrying troops



Passenger Services - Dog kennels

## SATURDAY

### Registration

7:30 am - 11:00 am

"Promenade" Deck

## Hospitality and Teacher Store

7:30 am - 11:00 am

Kings View Room – "Promenade" Deck

## Breakfast

8:00 am - 8:30 am

Queen's Salon - "Promenade" Deck

## Imagine this... and Outstanding Educator

8:30 am - 9:00 am Queen's Salon- "Promenade" Deck Join us as we spotlight our *Imagine this...* contest, and the success of our participating students and teachers. Also hear from our 2014 Outstanding Educator, Sue Squires, on how she was able to incorporate agriculture into her classroom through "popcorn genetics."

### **Farmer Panel**

9:15 am - 10:45 am Queen's Salon - "Promenade" Deck Get to know your food, flowers, and fiber by getting to know the people behind them! Four agricultural professionals from Southern California will join us for an engaging discussion. Each member of the panel represents a different side of agriculture, from raising dairy cattle to growing specialty crops, and operating a worm farm.

Each panelist will share their story about being involved in the agricultural industry, how it began, challenges they must overcome, and how they see the future of agriculture. There will also be time for questions from conference participants. This is the time to ask a farmer all you want to know about producing food and fiber for the world!

## Flower Arranging 101

11:00 am - 12:00 pm Royal Salon - "Promenade" Deck Jackie Ioimo, Buena Park High School FFA Floriculture Teacher

Buena Park FFA students and instructors will lead an hour-long Make 'n' Take on how to make the perfect floral arrangement. You'll be able to use these new skills to make your home beautiful and create gifts for family and friends.

## **Closing Lunch**

12:00 pm - 1:30 pm Queen's Salon - "Promenade" Deck Two Peas in a Pod: Connecting Agriculture and Common Core State Standards: Dr. Browning Neddeau, California State University, Monterey Bay

Learn from standards expert, Dr. Browning Neddeau, as he connects what you have learned these past two days to California's State Standards.

## **Bon Voyage!**

## **KEYNOTE SPEAKERS**

JIM HOUSTON was appointed by Governor Brown



as undersecretary of the California Department of Food and Agriculture in January 2015, after serving the agency since 2011 as deputy secretary for legislation and public engagement. He was a senior account representative at BGS Group Consulting Inc. from

2004 to 2010, representing numerous entities involved in agriculture. Houston worked for the California Assembly from 2001 to 2004, serving as legislative director for Assembly Member Simon Salinas. He received a law degree from McGeorge School of Law in 2009.

MICHAEL FUNK, director of the After School Division (ASD) for the California Department of Education (CDE), was appointed in January 2012 by the State Superintendent of Public Instruction, Tom Torlakson. Funk was charged with the task of developing and implementing a strategic plan to build



upon California's critical investment in Expanded Learning. He works to create systems and programs that maximize outcomes for children, youth, families, schools and communities. Prior to this role, Funk was the founder and executive director of the Sunset Neighborhood Beacon Center (www.

snbc.org) in San Francisco, established in 1996 and regarded as a national model for offering community and afterschool programming rooted in youth development. Funk grew up in Idaho, where he earned his teaching credential. Following that, Funk became an ordained minister, whereas he worked to create social justice ministries to serve the urban and immigrant communities in North America.

DR. MARTIN HAUSER, born in Germany,



always wanted to become an entomologist. He started reading books about insects before he was 10 years old and started collecting insects when he was 14. He went to the University in Darmstadt to receive a MS in Zoology and then worked for two years as an intern

in the Natural History Museum in Stuttgart. Hauser's second passion (or obsession) is to travel. After working as a postdoctoral scientist for the California Department for Food and Agriculture (CDFA) in Sacramento, he moved to Columbia, South Carolina, for a research assistant professor position, teaching entomology. After teaching for two semesters, he received a position as a dipterist at CDFA and now is back in Sacramento! His special interest is in flies, but he also has a strong interest in Hymenoptera and some beetle groups.

TRACY SELLERS joined the *California Bountiful* television and magazine programs in 2003, after spending nearly three years with Good Day Sacramento. Sellers wanted to go into the field of journalism from



the time she was a little girl, when she watched Kermit the Frog and was instantly inspired by his "breaking news stories" and his captivating interviews. She thought, "Hey, if a frog can do it, so can I!" Sellers grew up mainly in the Bay Area, but also lived in Southern California for a short while and now

calls Sacramento her home. Living throughout the state has taught her to appreciate the uniqueness and diversity of California, and she loves the opportunity to visit many regions of the state. She says her favorite part of reporting for *California Bountiful* is meeting new people and traveling to places and events that she otherwise wouldn't get a chance to visit. She is a graduate of California State University, Sacramento, where she studied communications, journalism and history.

#### DR. BROWNING NEDDEAU, M.A., Ed.D. is



an assistant professor of education in the Liberal Studies Department at California State University, Monterey Bay. Neddeau's areas of expertise include standards-based education, arts education, teacher education, elementary education and program evaluation. In addition to his work at the university, Neddeau

leads professional development, conducts program evaluations, and builds partnerships in arts, agriculture and education. He has been engaged with work in curricular alignment and presentations with the California Foundation for Agriculture in the Classroom since 2011. Prior to being a full-time university faculty member, Neddeau was a full-time elementary school classroom teacher, where he spent the majority of his time teaching fourth grade.

## **EXHIBITORS**

California Fertilizer Foundation Callie Borrow www.calfertilizer.org

Dairy Council of California Devin Welch and Candice Sainz www.healthyeating.org

E.A.T. Foundation Kelly Deming Giacomazzi www.eatfdn.org

Fuel Up to Play 60 Kimberly Lopez www.realcaliforniamilk.com

CA Project Learning Tree Shayna Foreman www.plt.org

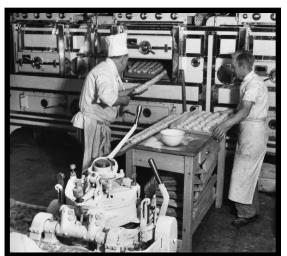
Environmental Education Services and Programs, Inc. Alan Piercy www.EnEdServices.org

Los Angeles County Department of Agriculture Commissioner - Weights and Measures Cynthia Werner www.acwm.lacounty.gov

School Grown Sundown Hazen www.schoolgrown.com

Usborne Books & More Holly Derington www.B4975.myubam.com

UC Cooperative Extension Youth, EFNEP Alejandrina Orozco efnep.ucanr.edu



Bakery

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Queen Elizabeth conversing with the chef

## NOTES

## **PROGRAM ADMINISTRATION**

### **Board of Directors**

Kenny Watkins, Chairman Mark Dawson Martha Deichler Jim Hicks Debbie Jacobsen Jamie Johansson Rick Phillips Jane Roberti Craig Thomson

## **Volunteers and Special Thanks**

Murray Bowron Mark Dawson Liz Dawley Don Fiske Nancy Harris Mary Landau John Wiley Jacki Zediker Centennial Farms Everette Hoard, Commodore, The Queen Mary

### Staff

Judy Culbertson, Executive Director Elizabeth Baskins, Outreach Coordinator Lyn Hyatt, Administrative Coordinator Jennifer Ray, Communication Coordinator Terri Salmond, Administrative Assistant DeAnn Tenhunfeld, Curriculum Coordinator

Judy Remy, Development and Marketing Director



2300 River Plaza Drive, Sacramento, CA 95833 (916) 561-5625 • (800) 700-AITC (2482) • FAX (916) 561-5697 www.LearnAboutAg.org • info@LearnAboutAg.org

## MAP OF SHIP

