



From Farm Road

48th DAA Schools' Agriculture and Nutrition Program Fair 2021 www.agfair.org

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Mission

To increase the understanding, appreciation and participation of urban teachers and students in agriculture and nutrition through cooperative involvements of the California agricultural industry, educational institutions and community partners.

2021 Schools' Agriculture and Nutrition 2nd Virtual Fair



**Theme: Ag ~
Yesterday
Today and
Tomorrow**

The 2021 2nd Virtual Fair is completed!

Judging and recording of awards have been finalized. The results are streamed as a slide show on the fair website (www.agfair.org).

Thank you teachers, parents, and students for participating in the Schools' Ag and Nutrition 2nd Virtual Fair!

2022 Schools' Agriculture and Nutrition Fair will be held during the L.A. County Fair (May 5–30), a 17-day fair. The additional days will provide opportunity for "Community Open House" to view teacher and student projects and learn about Agriculture!

Fair days will be Thursdays through Sundays, plus Memorial Day Monday, 11 a.m. to 11 p.m. Our Building will close at 10 p.m.



School field trips to the Ag Fair may be scheduled for Thursday and Friday mornings, May 19th and 20th.

Contact the 48th office to schedule your field trip to the Ag Fair.

More information will be available in January; visit the 48th District website at www.agfair.org or call 909-865-4633.

LEH Leadership Award — Dairy Council of CA

Let's Eat Healthy

Nominations for Dairy Council of California's Let's Eat Healthy Leadership Award are now open! Any person or organization who educates, inspires and empowers children, families and communities to develop lifelong healthy eating habits by using nutrition resources from Healthyeating.org and/or Let's Eat Healthy is encouraged to apply and/or nominate their peers for this annual award. The Let's Eat Healthy Leadership Award celebrates outstanding California leaders who go above and beyond to support community health through nutrition. It is a program of Let's Eat Healthy, a movement that brings together diverse individuals and organizations guided by the belief that all children and families deserve equitable access to healthy, culturally diverse foods

Visit us on Facebook www.facebook.com/48thDAA and Twitter [@48thAg](https://twitter.com/48thAg)

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and nutrition education that centers on people's unique lived experiences.

Learn more about the Let's Eat Healthy Leadership Award, past winners and how to submit a nomination at HealthyEating.org/Award. Submissions are open through January 31, 2022. Please send questions directly to Morgan Carey, mcarey@healthyeating.org, and Renée Farias, rfarias@healthyeating.org.
(Courtesy of Dairy Council of CA)

2021 Trends: Reshaping Food Environment, Policies & Education

Against the backdrop of an ongoing pandemic, climate change and rising rates of food insecurity and obesity, the United States has seen shifts in its demographics with an unprecedented growth in minority populations, smaller households and more people living in urban settings. Combined, these changes are reshaping the food environment, policies and education.

People are continuing to center their lives around the home and placing emphasis on balancing physical and mental health. Consumers are shopping with their values in mind, feeling deeply connected to food and understanding the links to health, but with less recognition of the impact on natural resources and environment. At the same time, the use of technology continues to change the face of health care, schools and the work place.

Ongoing shifts to the U.S. population make it more important than ever to meet the needs of individuals and to understand individual perspectives. The challenges and complexities of an ever-changing world present opportunities for innovation and collaboration at all levels.

It is through this lens that Dairy Council of California presents the trends for the dairy community.

Trend 1: Gen Z—The Next Generation of Mobilizers

Beyond growing influence in the marketplace and in policy formulation, Gen Z is the next generation of mobilizers.

Implication: As the oldest of Gen Z are entering early adulthood and may soon form families of their own, their knowledge and values will begin to influence a new generation. Connecting with the Gen Z age group will require engaging in unique and meaningful ways, such as exploring new digital communication options, recognizing socio-economic or cultural perspectives, or aligning to values that are important. Dairy Council of CA continues to innovate and collaborate with partners to advance nutrition education, ensuring dairy foods remain a valued part of healthy eating patterns for present and future generations.

Trend 2: Plant-based foods as solution to climate crisis

The plant-based food market is gaining traction as a solution to climate crisis while still benefiting from a health halo.

Implication: The plant-based movement as a solution to climate change provides an overly simplistic view of a complex problem. Moving toward a healthy and sustainable food system will require a holistic approach, inclusive of plant and animal source foods that provide different though complementary nutritional, social, economic and environmental benefits. There is opportunity for the dairy community to shape the conversation to ensure sustainable nutrition remains inclusive of animal source foods, like dairy. Nutrition research continues to demonstrate the benefits of dairy foods as an affordable and sustainable way to address the nutritional needs of a growing population. Dairy Council of CA prioritizes providing nutrition education and ag literacy in schools to ensure dairy foods

Join SCAN!

The Southern California Agriculture and Nutrition Foundation (SCAN) is a 501(c)3 public charity that has provided support to the State of California's 48th District Agricultural Association for over 30 years. Contact the 48th DAA if you are interested in serving on the SCAN board of directors.

SCAN Board of Directors
Steve Williams, President
Don DeLano, Vice President
Joan Smith, Treasurer

are valued as important components of healthy, sustainable food systems.

Trend 3: Front of package nutrition labels gain global momentum.

Front of package nutrition labels gain global momentum while identification of a universally accepted system is still being determined.

Implication: FOPNL has the potential to influence consumer food purchasing decisions, change how companies formulate foods and impact nutrition policy and education. FOPNL may also help consumers better identify specific nutrients, or combinations of nutrients, within food groups or categories that may be especially important for optimal nutrition during key life stages, such as childhood, pregnancy or older adulthood. As FOPNL policies are still being tested and driven, the food industry and other groups are in a position to provide input and prepare. Dairy Council of CA will continue to support the dairy community to inform and educate on dairy's unique nutrient contributions to a healthy, sustainable diet.

Trend 4: The Gut Microbiome and the Future of Health and Dietary Recommendations

Encouraging research around the gut microbiome could significantly impact future health and dietary recommendations.

Implication: Dairy foods continue to have a strong evidence base supporting their role in a healthy microbiome. Key to this research is the understanding of different dairy foods' unique matrices that show health benefits beyond traditional nutrients. Investments in dairy nutrition science are starting to uncover the functional benefits of dairy, such as how it interacts with the gut microbiome to impact mood, immunity and inflammation. Dairy Council of CA continues to monitor and track new research on dairy's functional benefits to inform the dairy community and to amplify discoveries to health professionals.

To read the full trends articles, visit https://www.healthyeating.org/our-cause/dairy-community/industry-trends/industry-fall-trends-2021?utm_campaign=2021%20fall%20trends_1121&utm_source=CNTMRK&utm_medium=email&utm_term=trend&utm_content=read#trend1

Contact the 48th DAA office for lessons and materials 909-865-4633 or daa48th@aol.com.

(Courtesy of Dairy Council of CA)

CA Ag in the Classroom

Grant Opportunity

Are you planning a new garden or expanding an existing one? The 2022 Youth Garden Grant is designed to support school and youth educational garden projects that enhance the quality of life for students and their communities. The application deadline is December 17, 2021.

For information and to apply, visit <https://kidsgardening.org/2022-youth-garden-grant/>

New Resource

California leads the nation in agricultural production, but that wasn't always the case. The Transcontinental Railroad transformed the golden state and connected the west with the rest of the nation. Our new interactive resource Tracking the History of California Agriculture lets students explore how and why California became the agricultural leader it is today. With the click of the mouse or tap of the keyboard, students are transported back 19,000 years, where evidence of human life in what is now known as California can be found. Fast forward to 1542, where explorers landed in what is now known as San Diego Bay and rest is history.

Visit <http://ca.stateaghistory.org/>.
(Courtesy of CA Foundation for Ag in the Classroom)





Did You Know?

The following are **Common Core Lesson Plans** available at the 48th DAA
(Materials courtesy of CA Foundation for Agriculture in the Classroom)

Fruits & Vegetables for Health Grades 4–6 Science, Math, Reading/Language, History/Social Science, Health/Nutrition

“Steer” Toward STEM, Careers in Animal Agriculture Grades 3–5 Science, Math, Reading/Language, Health/Nutrition

Chemistry, Fertilizer and the Environment Grades 8–12 Science, Math, Reading/Language

California Educator’s Guide to Fun with the Plant Nutrient Team Grades K–3
Next Generation Science, Science, Math, English/Language, History/Social Science, Health/Nutrition

Edible Plant Parts Grades 2–3
Next Generation Science, Science, Math, English/Language, History/Social Science, Health/Nutrition, Visual/Performing Arts

From “STEM” to Plate: Careers in Food Science Grades 6–8
Next Generation Science, Science, Math, English/Language, Health/Nutrition, Visual/Performing Arts

Too Much? Too Little? Grades 5–8
Next Generation Science, Science, Math, English/Language, History/Social Science, Health/Nutrition, Visual/Performing Arts

What do Plants Need to Grow? Grades 2–4 Science, Math, Reading/Language, Health/Nutrition

Stem Connections, Energy and Agriculture: Careers in Sustainable Energy, Grades 9–12
Next Generation Science Standards

California Walnuts: A Walnut Orchard Through the Seasons, Grades 2–3
English Language Arts

***History of CA Agriculture Grades 6–12**
<https://ca.stateaghistory.org>

Food Safety: From Farm to Fork Grades 5–7
Science, Mathematics, English Language Arts, Health/Nutrition

Alien Invader Detectives Grades 3–5 Next Generation Science

Bon à la Beef Grades 3–12
Next Generation Science, English Language Arts and Math

California Almonds: An Almond Story Grades 3–5 Next Generation Science

California Walnuts: The Importance of Grafting Grades 4–5 English Language Arts

From Genes to Jeans II Grades 6–12
Next Generation Science, Science, Math, English Language Arts

Prolific Pollinators: Grades 3–8

Come into the office or call us at **909-865-4633**. Lessons are free of charge; equipment, books, DVD’s and videos can be borrowed.

The 48th also has Cotton’s Journey Kits; Bread making kits; Trout in the Classroom supplies, and incubators to hatch chicks. Visit www.agfair.org for additional available lessons and materials.

The materials furnished by the 48th DAA are **free of charge** to teachers, in exchange for participation by teacher/students in the annual Schools’ Agriculture and Nutrition Fair. Submit a minimum of one entry for each of the materials (projects) checked out from the 48th DAA office.

The 48th DAA is open year round and works with teachers from Pre K to 12th Grade. Teachers and parents – we look forward to meeting you!

The office is open Monday to Thursday; 8:30 a.m. to 5 p.m. (closed 12 to 1 p.m. for lunch). Friday, please call ahead at **909-865-4633**.

***New Lesson Plans**

Fair 2021

Below: Ag Science Project/Osman, Country Springs Elementary; School Garden/Cota-Kumamoto, Woodruff Elementary

Right, top to bottom: Miscellaneous Crafts/Mangold, Glazier Elementary; Scarecrow/Dixon, Glazier Elementary



COMPOSTING WITH RED WORM

QUESTION

HYPOTHESIS

PROCEDURE

DATA

Week	Worms
Week 1	0 worms
Week 2	5 worms
Week 3	10 worms
Week 4	30 worms

CONCLUSION

After 4 weeks

No worm → 5 worms → 30 worms

Earthworm and Composting
Kat + Min





Above: School Garden/Osman, Country Springs Elementary
 Below: Wall Mural/Moss, Glazier Elementary
 Right, top to bottom: Miscellaneous Crafts 1-2/Mangold, Glazier Elementary

