

Next Generation Agriculture



***New Ways to Apply the Next Generation Science Standards
Presentations of Agricultural Concepts with “Make and Take” Sessions***

9 am to 4 pm Friday, October 20, 2017

New Arena, Baltimore County Ag Center, 1114 Shawan Road, Cockeysville, MD

Hosted by MARC. For more info call 410 887-8973. Or email wes@marylandagriculture.org
Wes Jamison is Managing Director of MARC.

Are you Ready?...Teaching based on the **NGSS** calls for more student-centered learning that enables students to think on their own, problem solve, communicate, and collaborate—in addition to learning important scientific concepts.”



- 9:00 to 4:00 Exhibitors displays open.
- 9:30 to 3:15 Presenters (see 5 topics and times below)
- 9:30 to 3:15 “Make and Take” Sessions @\$10 Required **SIGN UP**. Kits will be provided.
- 11:15 to 1:30 Lunch on your own. BYO or purchase. **RESERVE** Catered @ \$15. Pay on site.
- 3:15 to 4:00 Wine and Cheese (Complimentary)

Presenters —in New Arena Classroom.

1

THE WHY?

CAREERS IN MODERN AGRICULTURE
Food and Fiber business has gone high-tech.

9:30 to 10:15

2

SKYPE AROUND THE WORLD

Connect your kids to students and places far away.

10:30 to 11:15

3

POLLINATORS

What bees mean to plants and food production.

12:30 to 1:15

4

GARDENS IN YOUR ROOM

Grow it to learn it.
Science and Ag connections in the elementary classroom

1:30 to 2:15

5

HYDROPONICS

Myths and Realities.
Genetics and Food. Lettuce as conduit for taste.

2:30 to 3:15

“Make and Take” Sessions - - Tech and Tools!

You choose your day. \$10 per Session. Each Session Participant will receive a kit.
Sessions Overlap with Presenters and take place in Main Arena Corners.

[Click HERE to Sign Up for Make and Take Sessions and lunch.](#)

Skype Class
Connections



Skype in the Classroom enables teachers to inspire the next generation of global citizens connecting them with children in other countries as well as our own!! Excite your students and supplement what you are teaching with Skype! HOW TO Flash drive will be provided.

Pollinators



Learn about different kinds of bees, their relationship with flowers, why they sting—or don't, and how they are utilized in agriculture. Explore their products—honey, beeswax, and about the inner workings of a honey bee colony. Learn about the seasonal jobs of a beekeeper, and the tools necessary to be a beekeeper. Take home supplies to have a classroom hive for non stinging mason bees.

Gardens



Edible gardening that incorporates cross-curricular connections, encourages students to be active, helps them understand and retain concepts, and can result in them making healthier food choices. These positive outcomes can come from any size garden.

In this hands-on breakout session participants will receive supplies to create a garden kit to be used with students. A list of cross-curricular connections will also be provided. Participants will be encouraged to share out their ideas and questions.

Hydroponics



Grow lettuce in your class! Hydroponics Myths and Realities. Lettuce and dressings stimulate taste and can be used to teach genetics, nutrition, plant culture, and other sciences. Teachers will be shown how to set up a Hydroponic mini system in the classroom.