

Welcome to Parallel Session:

Secondary & Post-Secondary Education



Secondary and Post-Secondary Panel



DANIEL FOSTER

Penn State and Global
Teach Ag Network



JON DAVIS

North Carolina
School of Science
and Mathematics



ILSE HUERTA

University of
Guanajuato



ALPHA SENNON

WHYFARM



MELANIE MILLER-FOSTER

Teach Ag Network



Beyond Business as Usual: Creative Approaches to Inspiring Youth to Agriculture

Secondary and Post Secondary Education

Daniel Foster

Associate Professor of Agricultural
Education, Penn State University
Co-founder of The Global Teach Ag
Network



We believe...

That systems thinking should be applied to the preparation of the next generation of leaders in agriculture

We believe...

That educators are powerful agents of change

We believe...

That we need to empower educators to prepare the next generation of leaders in agriculture

Jon Davis

Secondary Instructor of Engineering
North Carolina School of Science and
Mathematics



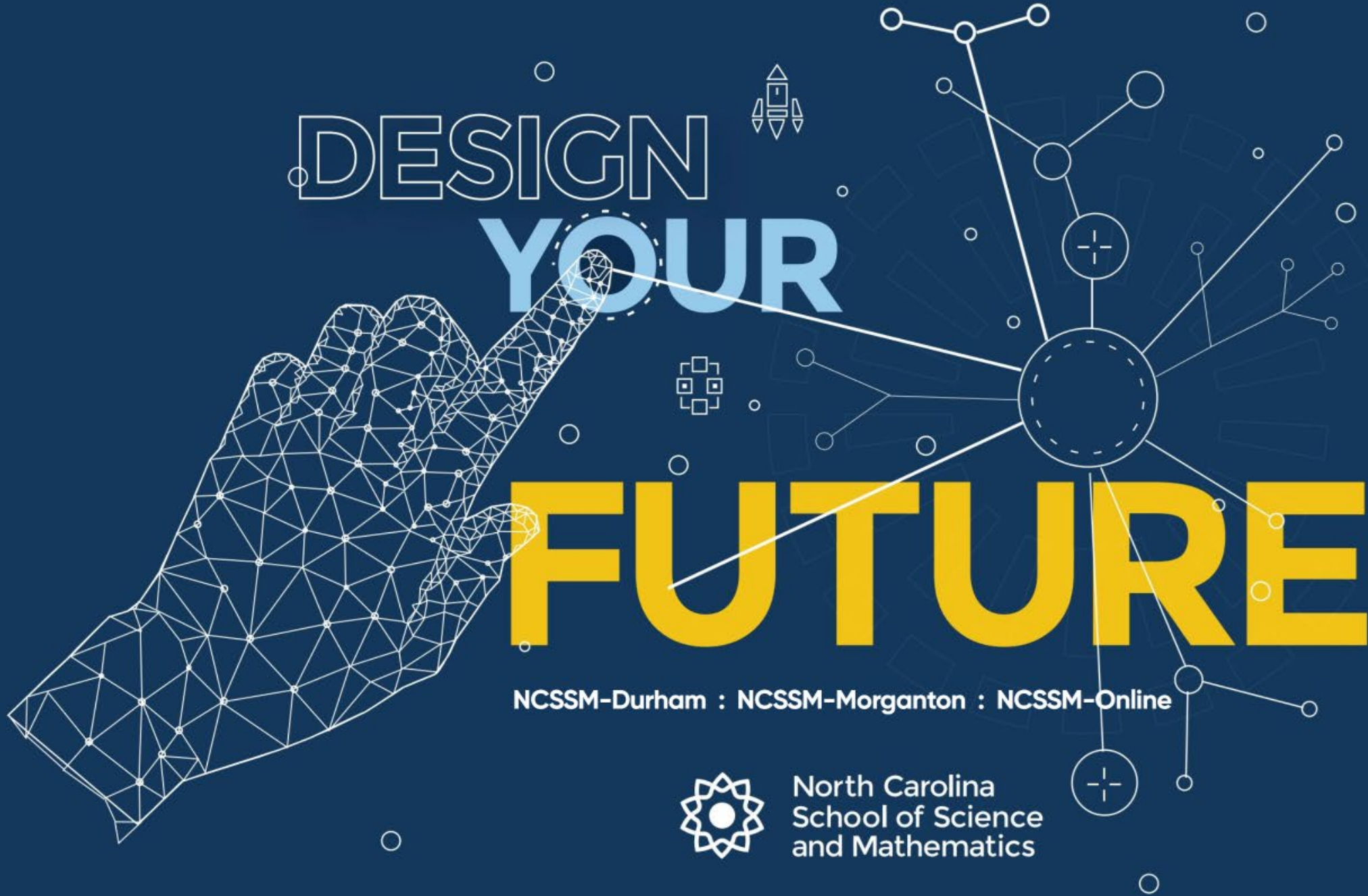
DESIGN
YOUR

FUTURE

NCSSM-Durham : NCSSM-Morganton : NCSSM-Online



North Carolina
School of Science
and Mathematics





The Next Norm

@thenextnorm

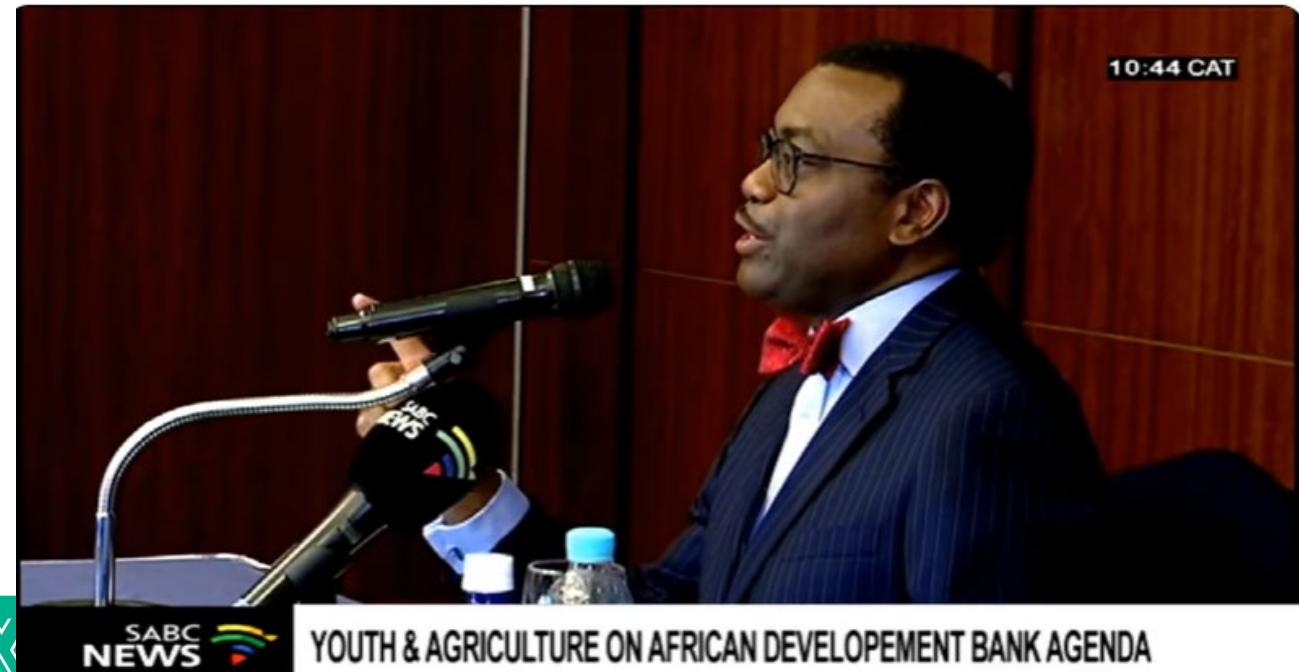


"Farming will be REALLY COOL" - [@akin_adesina](#).

We agree, the future of agriculture is bright!

[#GYI17](#)

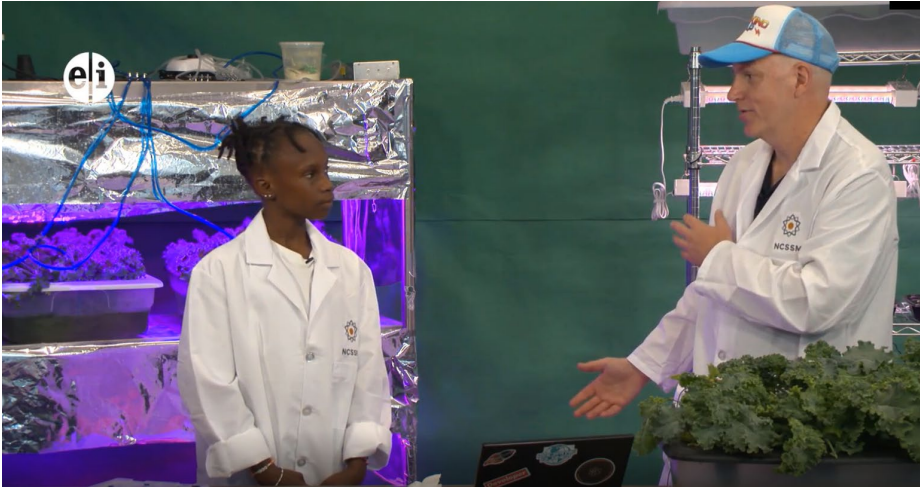
10:26 AM · Oct 21, 2017



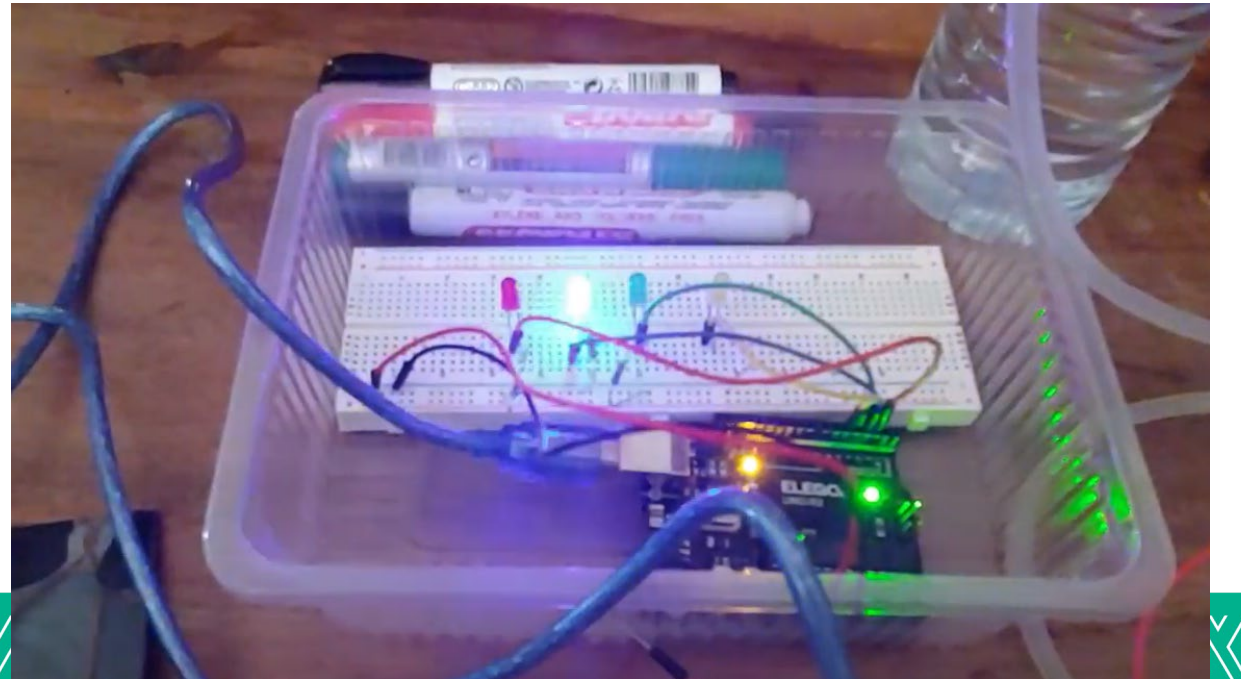
Agricultural Biotechnology



Digital Agriculture



Hydroponics and Arduino in Uganda



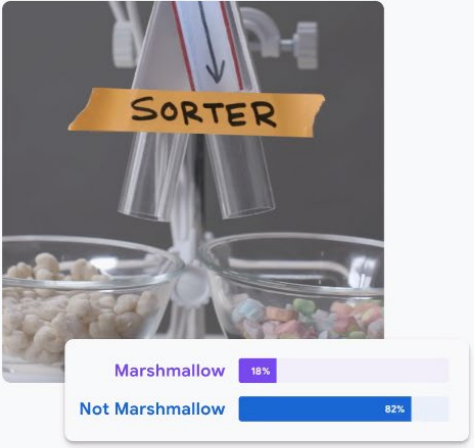
Machine Learning

Teachable Machine

Train a computer to recognize your own images, sounds, & poses.

A fast, easy way to create machine learning models for your sites, apps, and more – no expertise or coding required.

Get Started



Teachable Machine interface showing two classes (Class 1 and Class 2) with 'Webcam' and 'Upload' buttons. A 'Training' section includes a 'Train Model' button and an 'Advanced' dropdown. A 'Preview' section contains an 'Export Model' button and a message: 'You must train a model on the left before you can preview it here.' An 'Add a class' button is at the bottom.

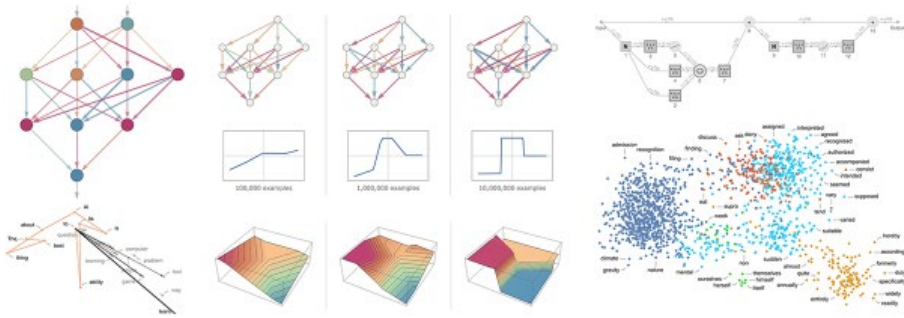


Generative AI

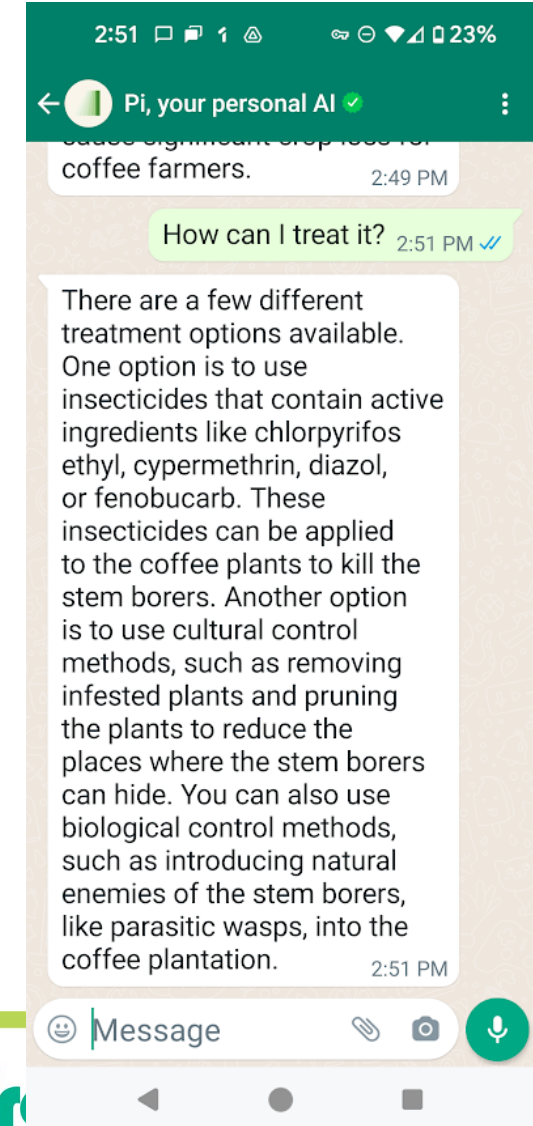
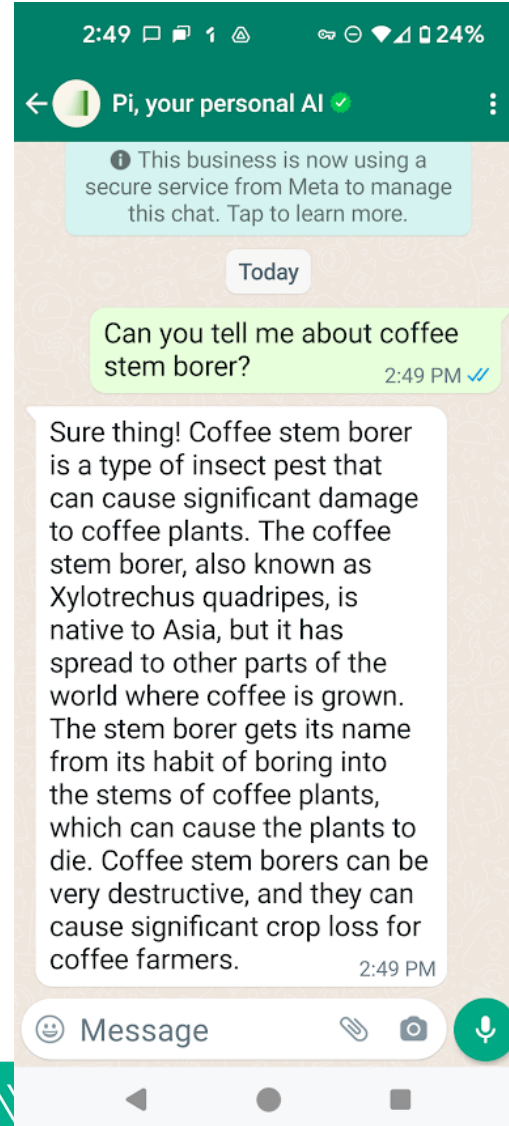
STEPHEN WOLFRAM | *Writings*

What Is ChatGPT Doing ... and Why Does It Work?

February 14, 2023



It's Just Adding One Word at a Time



Ilse Huerta Arredondo

Assistant Professor of Agronomy
University of Guatemala





Ilse A. Huerta-Arredondo, Ph.D.

University of Guanajuato



Education in kids



Secondary and
post-secondary
students are more
self-centered



Agricultural programs Technical oriented



CAN WE CONNECT
(re-connect)
OUR STUDENTS WITH THE
COMMUNITY?



Rural Sustainable Development Course



Sustainable Development Goals

Project-Based Learning

1. Different communities
2. Rural elementary school



**HOW ARE YOU CONNECTING
(re-connecting)
YOUR STUDENTS WITH THE
COMMUNITY?**

Alpha Sennon

WHYFARM Founder



Who Will Feed 9 Billion People by 2050?



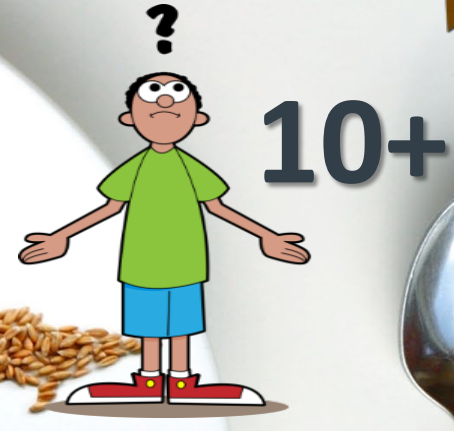
Year 2023



55+



30



10+



Year 2050



Decease



Retired



Professional



What careers do 10 year olds think about?

Lawyer
Engineer
Doctor
Police
Scientist
Pilot

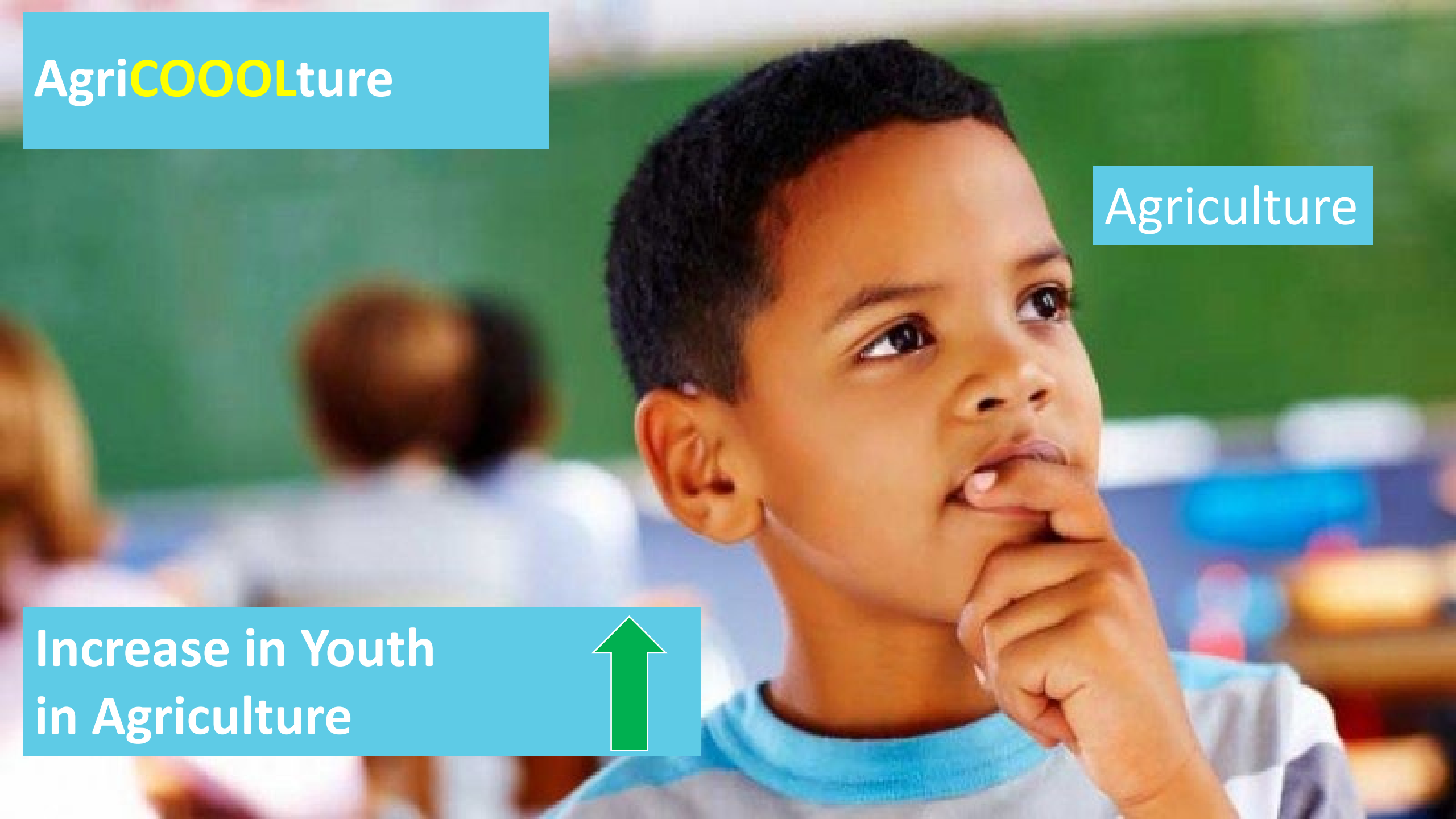
Decline in Youth
in Agriculture



Agri**COOOL**ture

Agriculture

Increase in Youth
in Agriculture





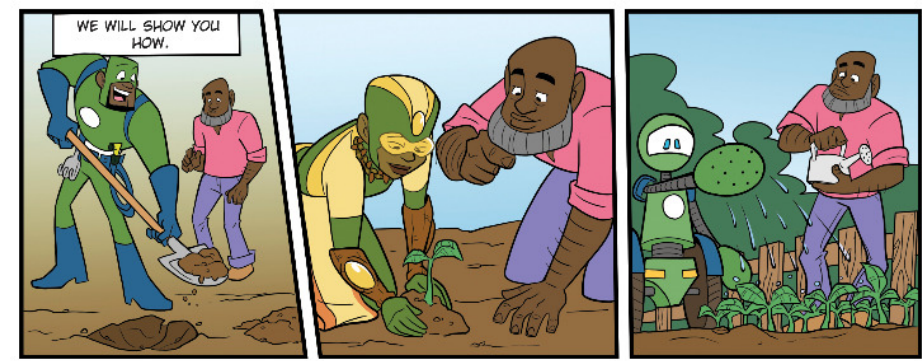
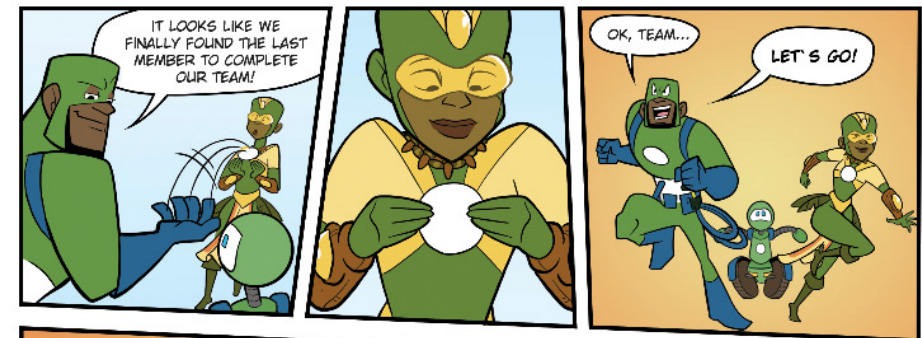
AGRICULTURAL
EDUCATIONAL
ENTERTAINMENT







AGRIMAN ADVENTURES



THERE MUST BE AN ADVENTURE.....

THAT ENCOURAGES YOUTH IN AgriCOOLture.....



Melanie Miller Foster

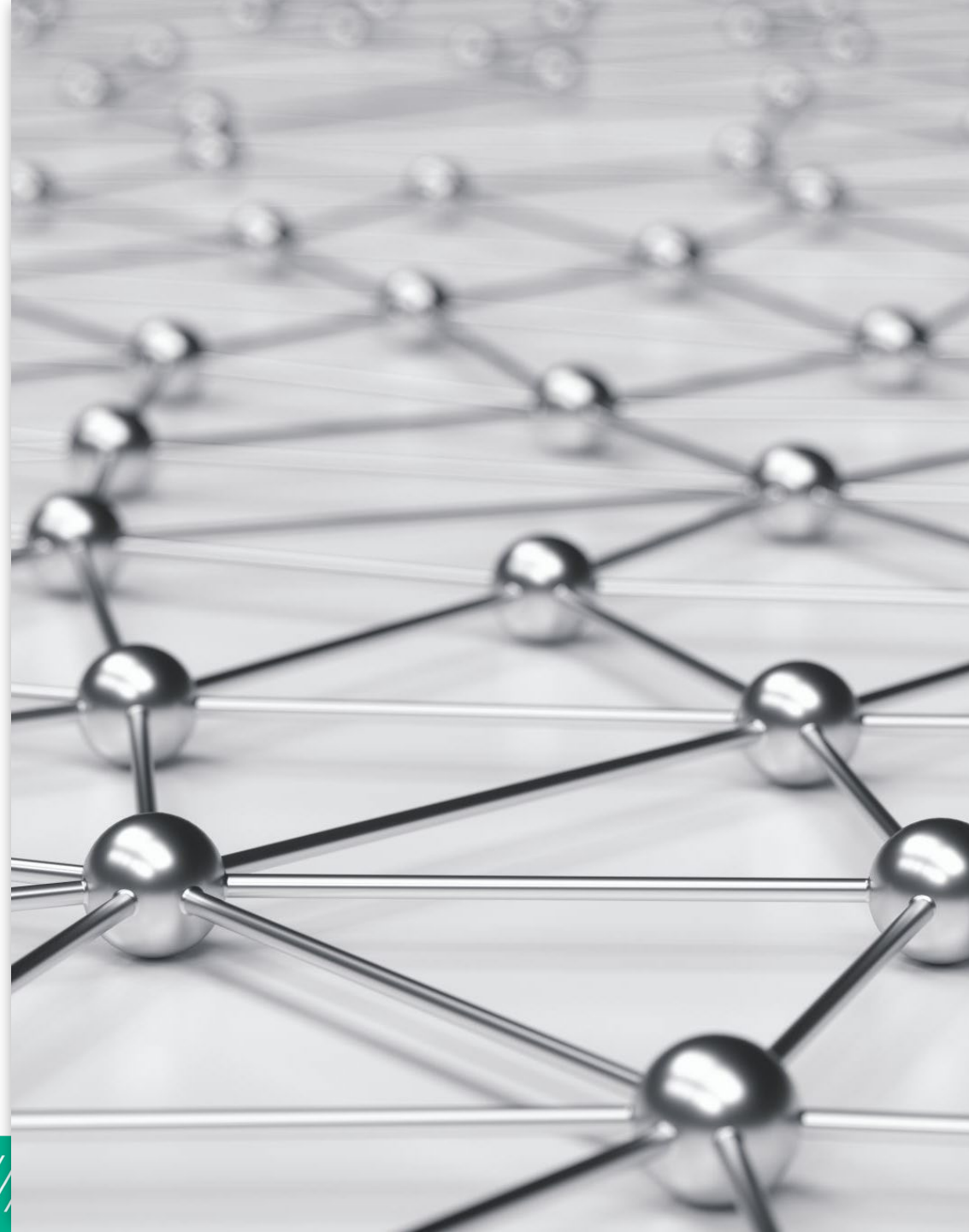
Associate Teaching Professor of
International Agriculture at Penn
State University
Co-founder of The Global Teach Ag
Network





Vision:

To empower educators to connect their learners to the world's biggest challenges in global agriculture and food security



Mission

To empower educators through quality professional development and community building



Show, don't just tell



When I say go...

- Stand up
- Find a person you do not know
- Introduce yourselves
- Each of you should share one thing that you bring to this community that helps to empower the next generation of leaders in agriculture
- You have one minute to complete this task



Part 2: When I say go...

- Find another person you have not talked to yet
- Introduce yourself
- Tell your second partner what you heard from your first partner
- You have one minute to complete this task





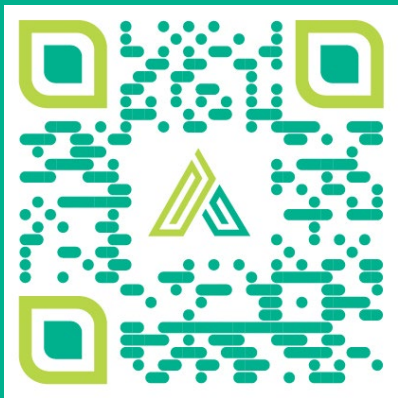
**What just
happened?**

GTAN Community

- A digital community of practice where:
 - Educators can access professional development opportunities
 - Share resources, best practices, questions, and successes
 - Break isolation and get inspired



Thank you!



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