

Collaborating

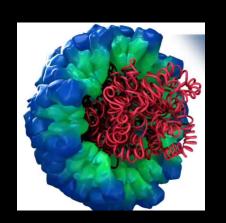
for

Educational Food Safety Materials for Consumers



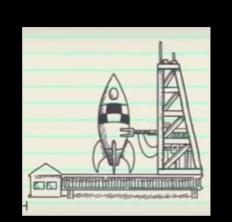


















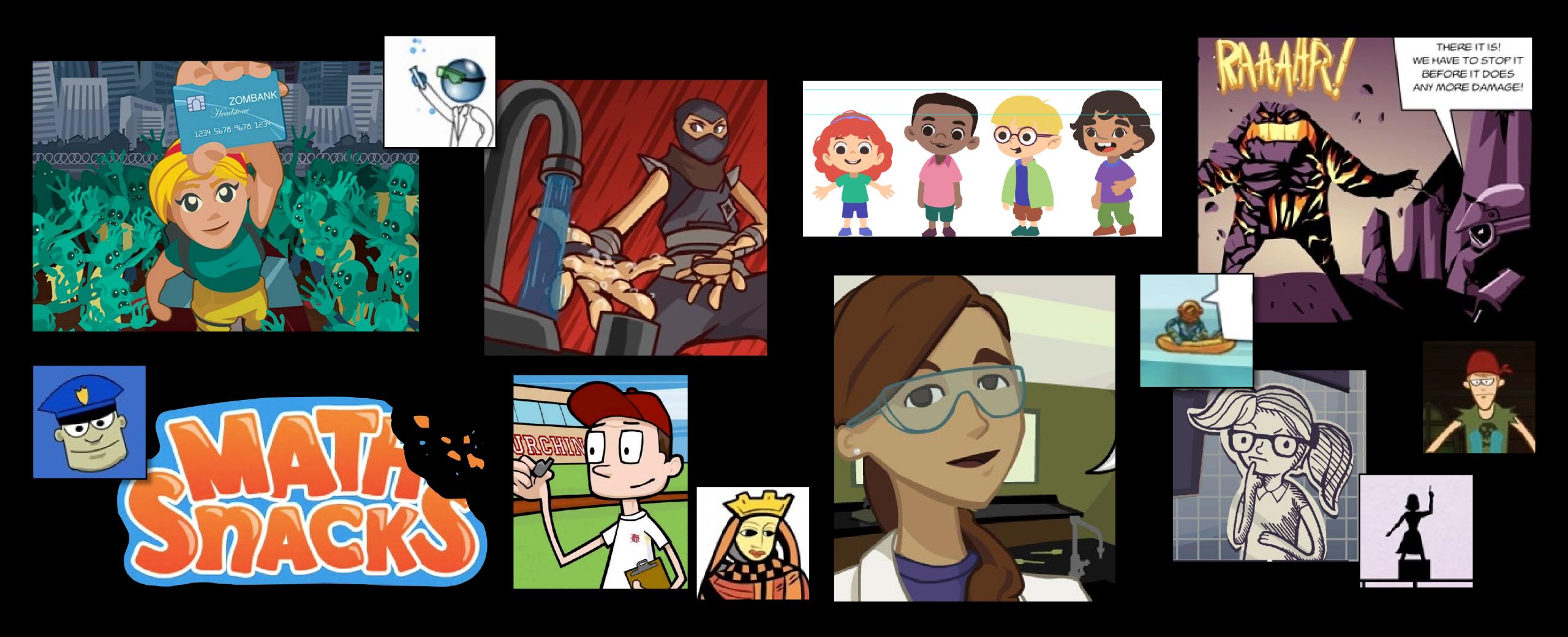


Barbara Chamberlin, PhD • bchamber@nmsu.edu • 🕒 🗓 bchamber



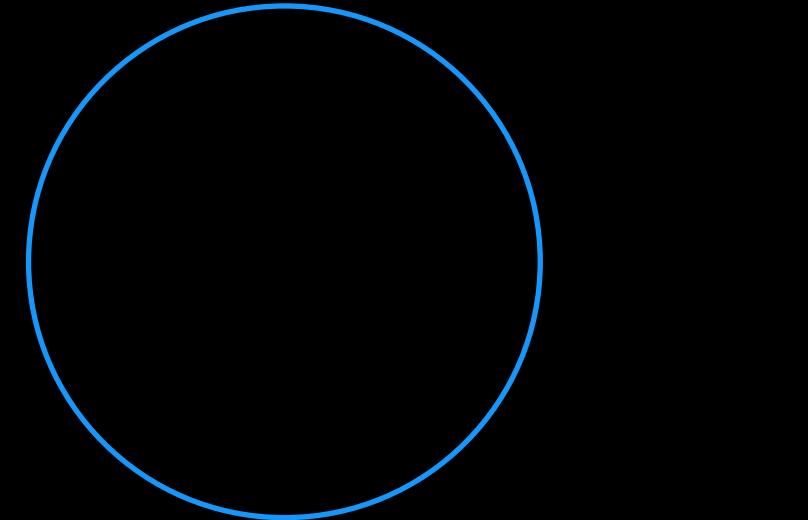
NMSU Innovative Media, Research & Extension • Learning Games Lab.org

Learning Games Lab at New Mexico State University



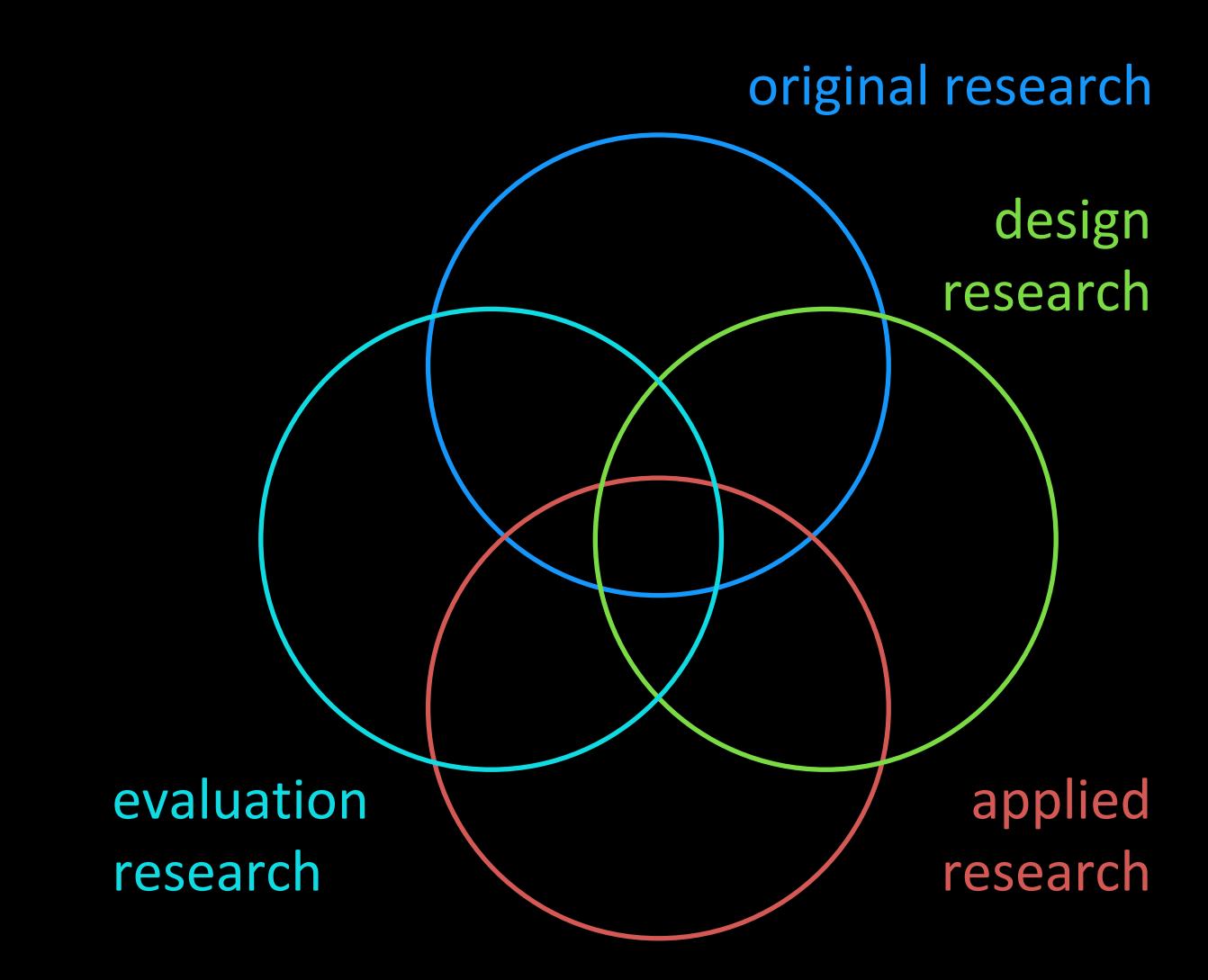


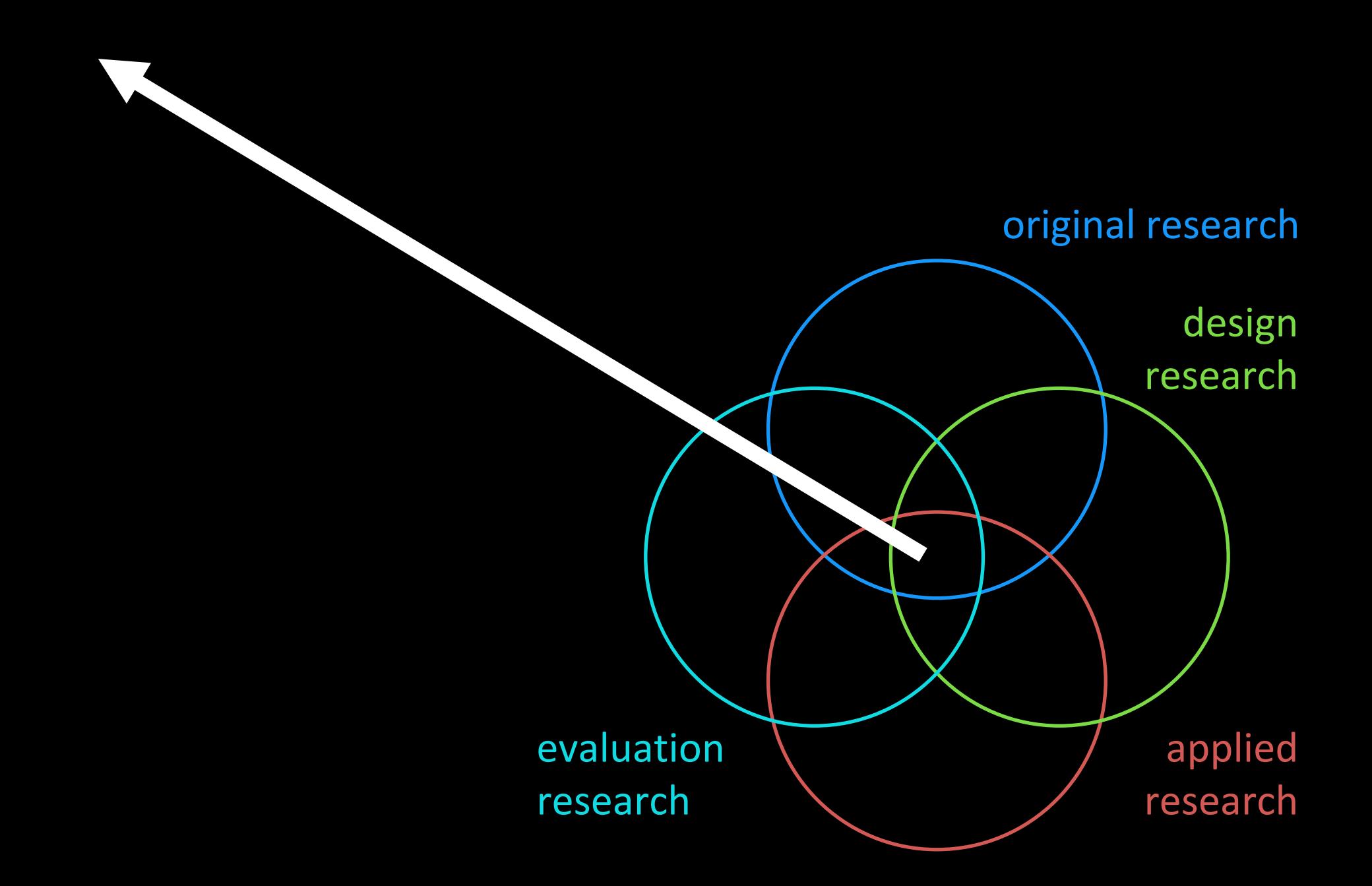
original research



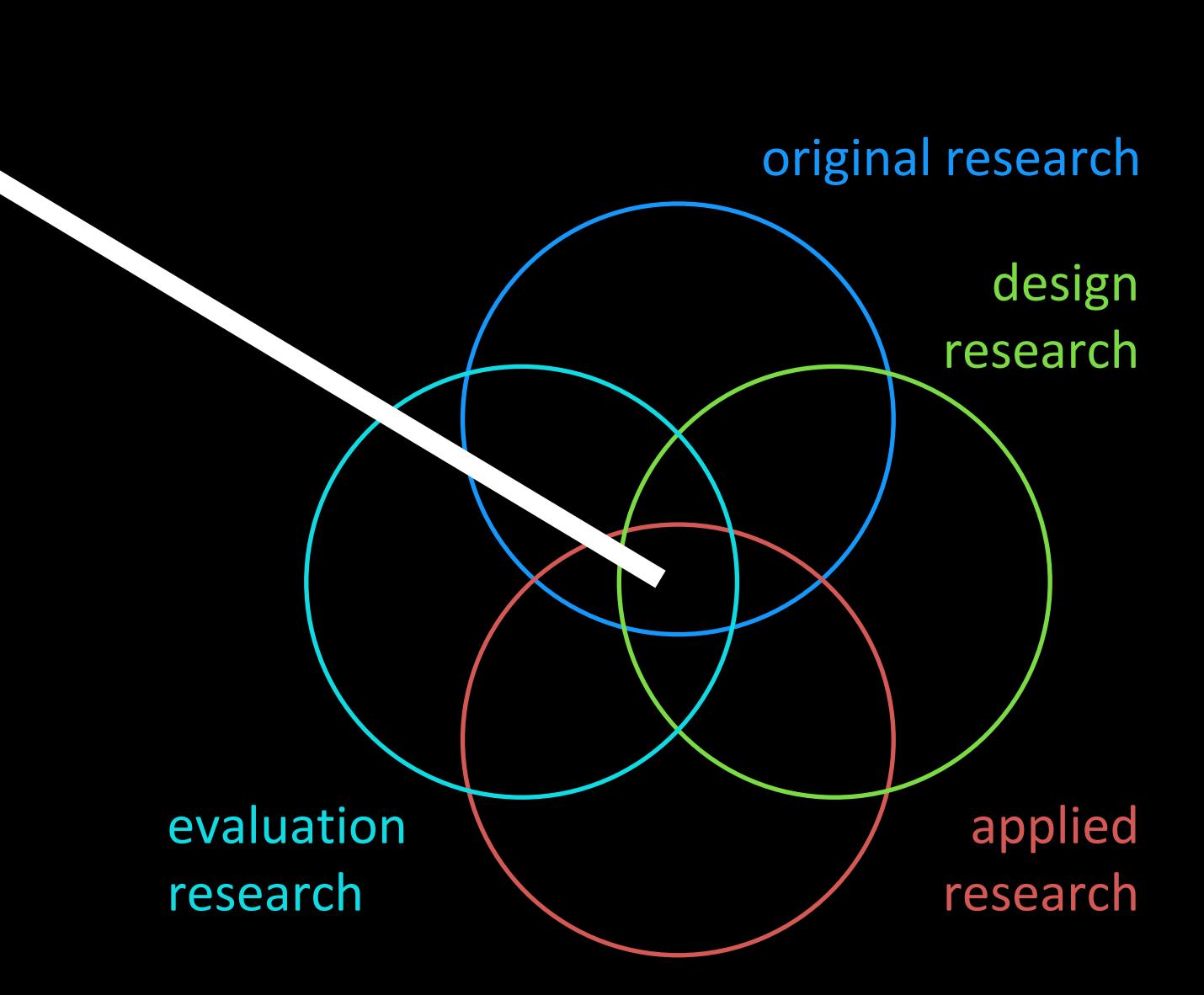
original research design research

original research design research applied research

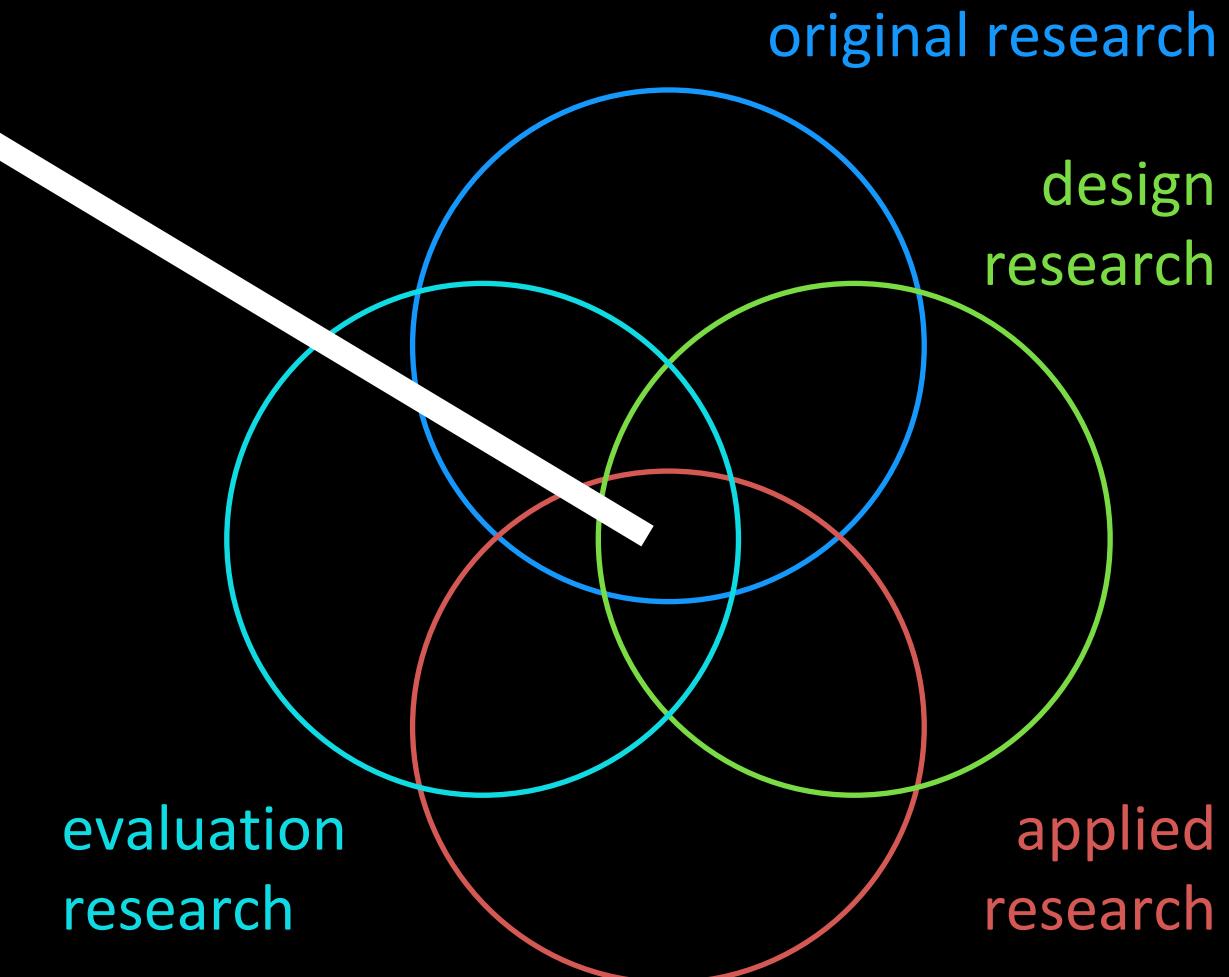




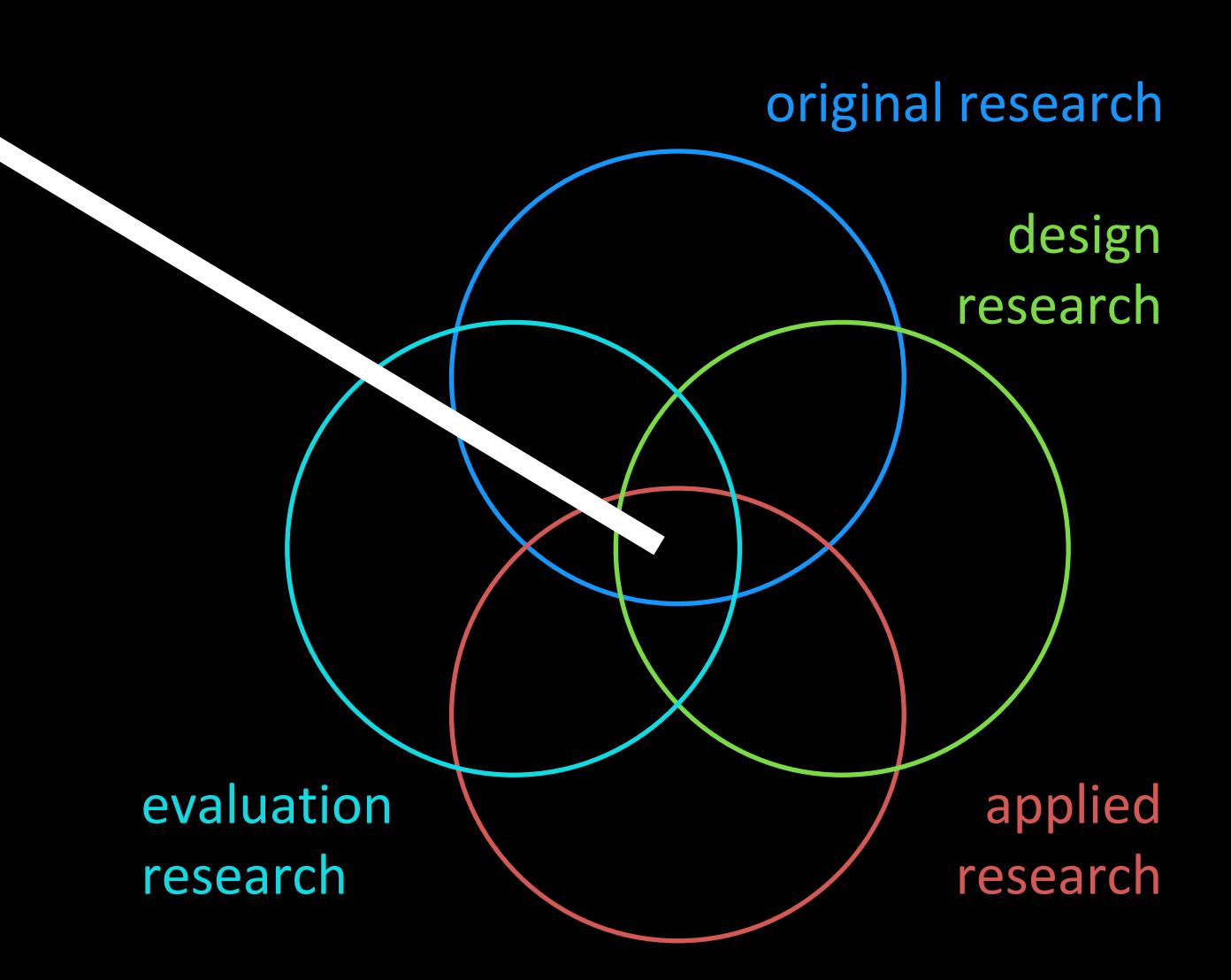
Jagos more efficient



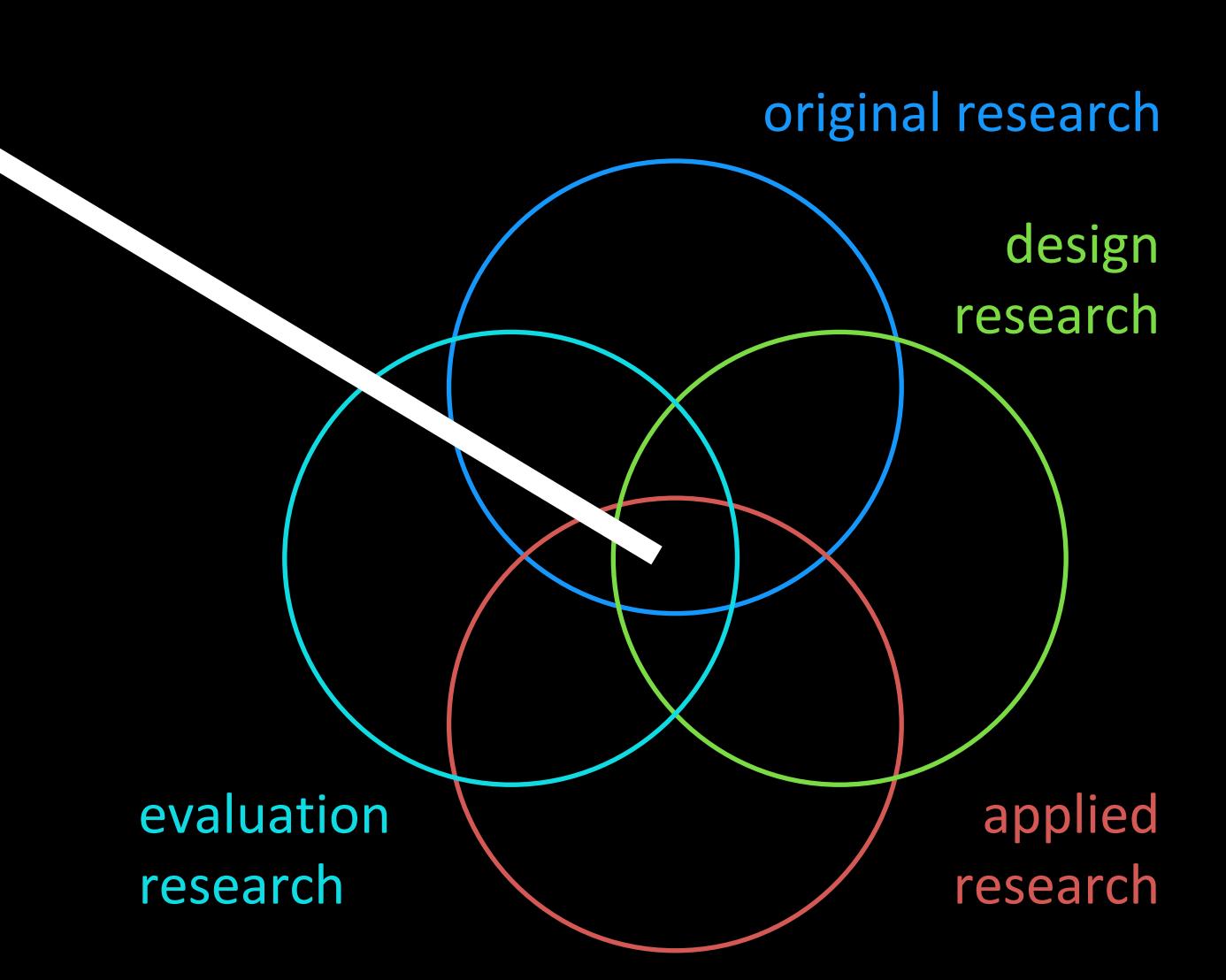




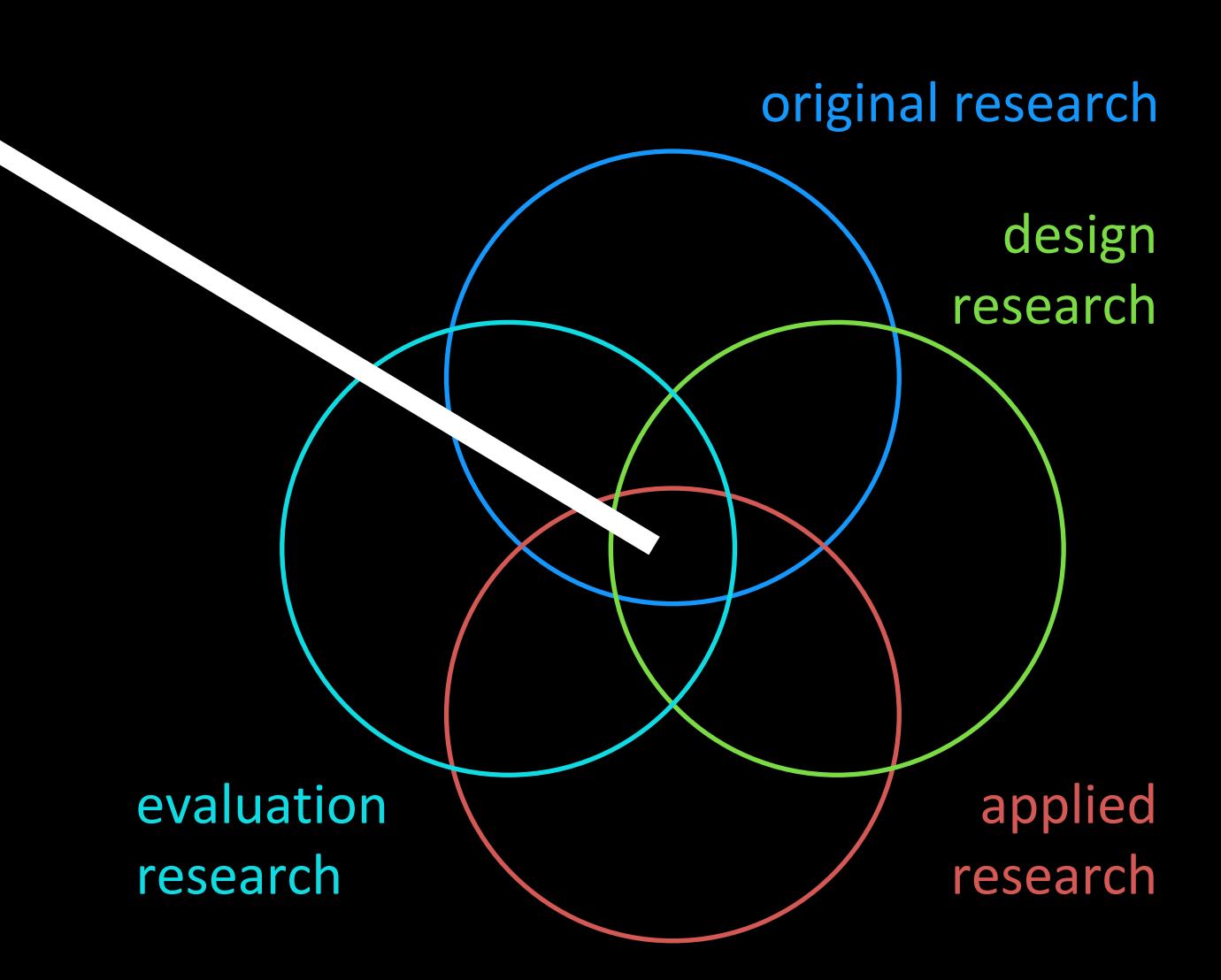
healthier more efficient



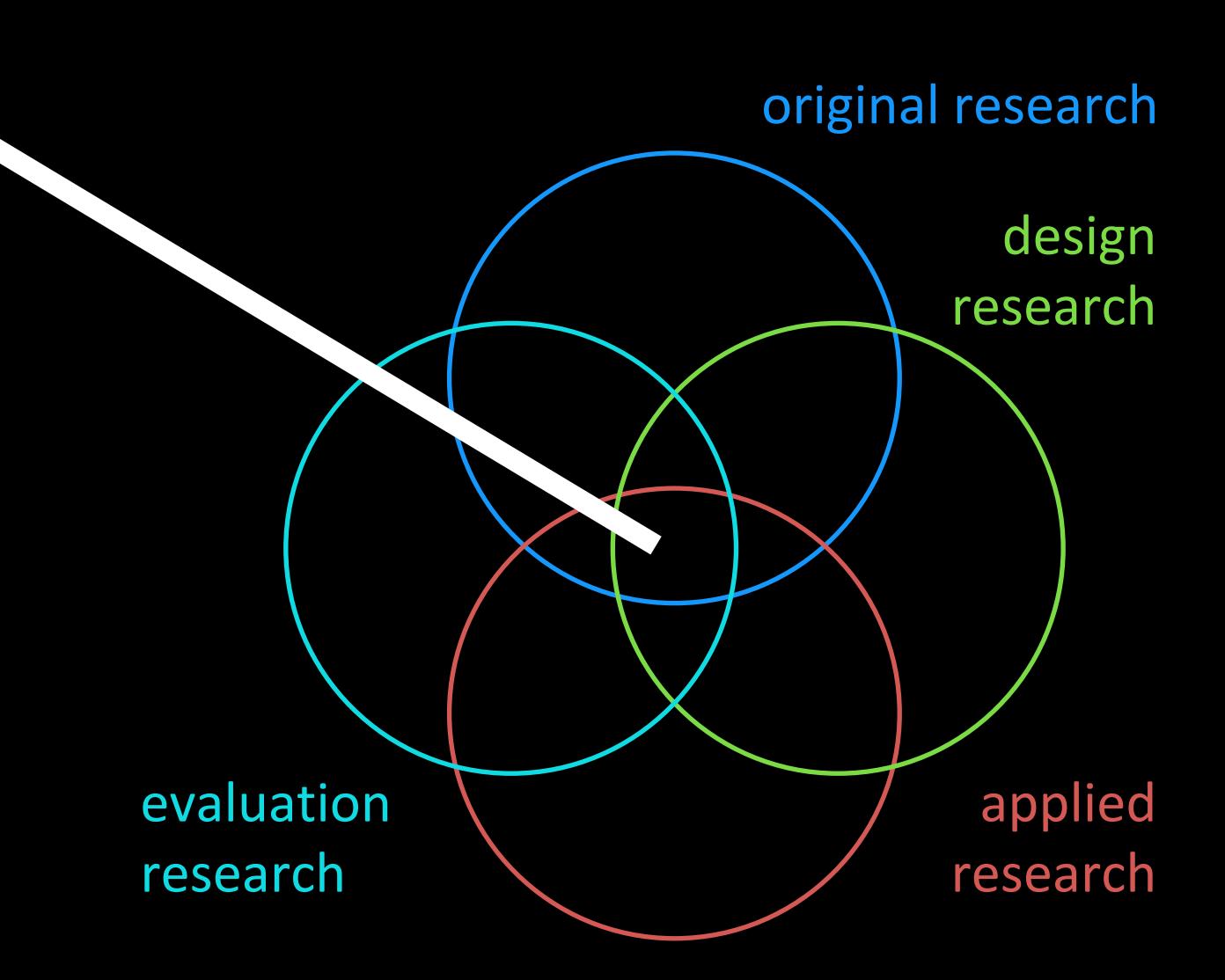
cheaper healthier healthier more efficient



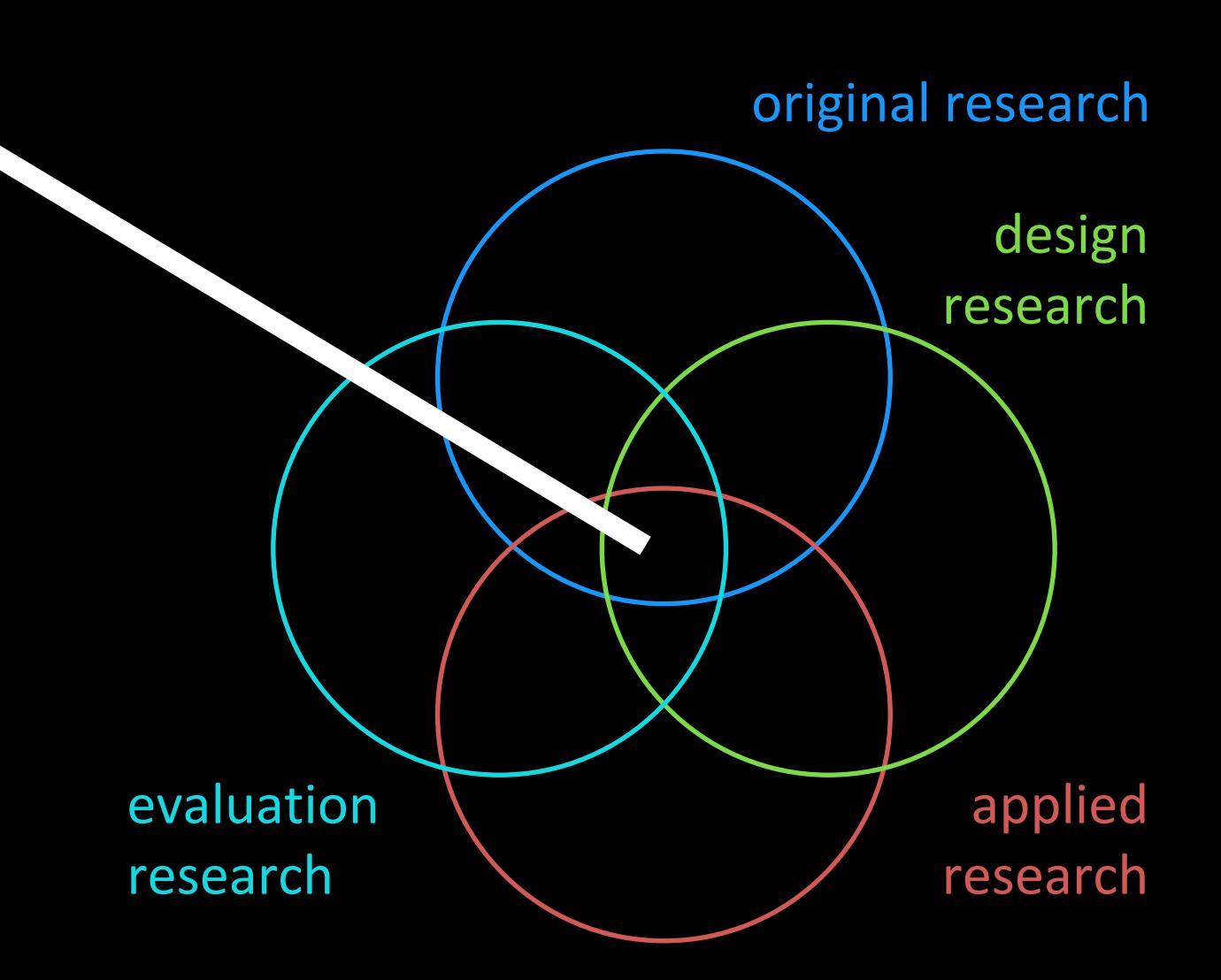
cheaper healthier healthier richer more efficient



cheaper healthier healthier richer more efficient smarter

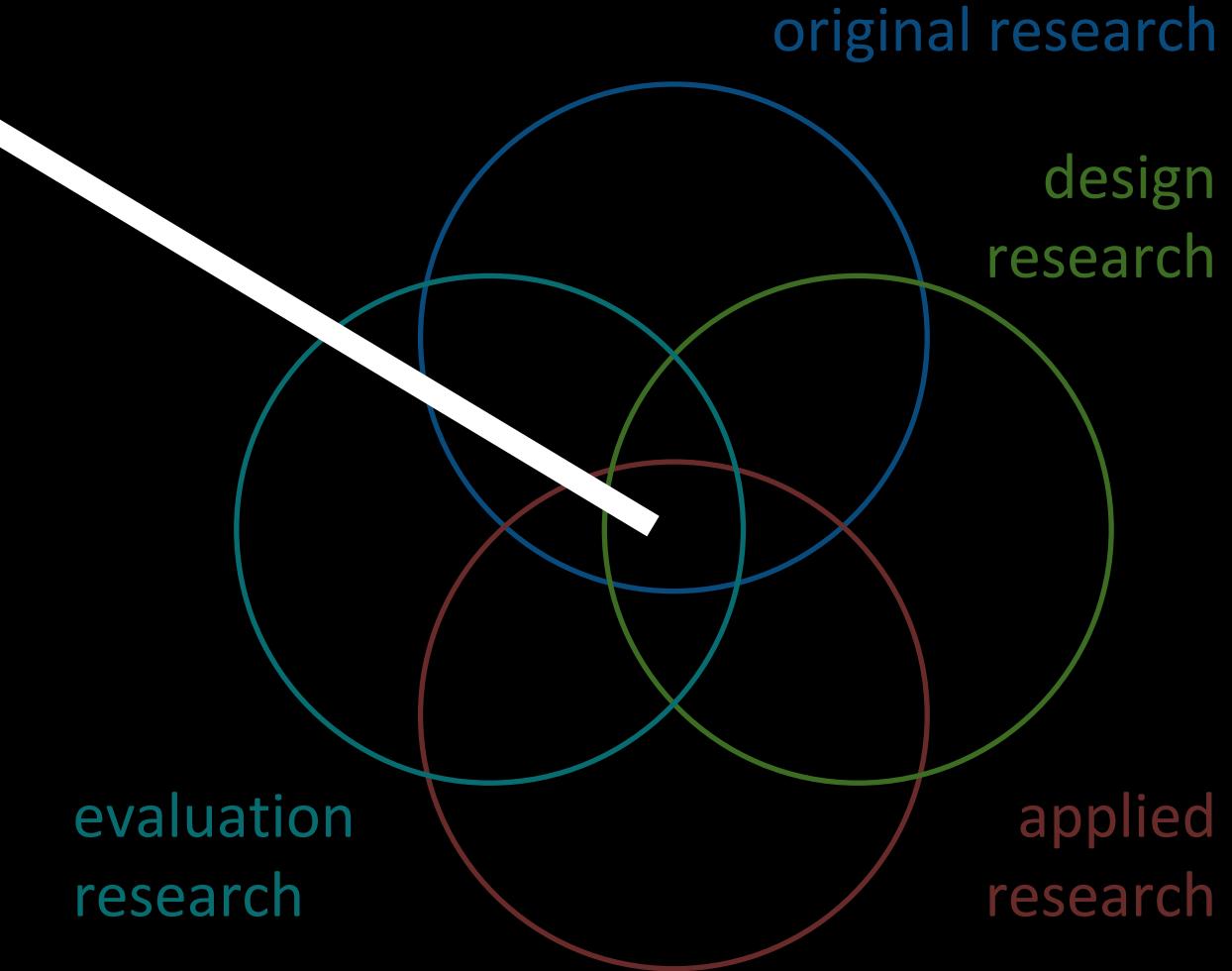


cheaperwiser
healthier
richer
more efficient
smarter
better



cheaperwiser
healthier
richer
more efficient
smarter
better

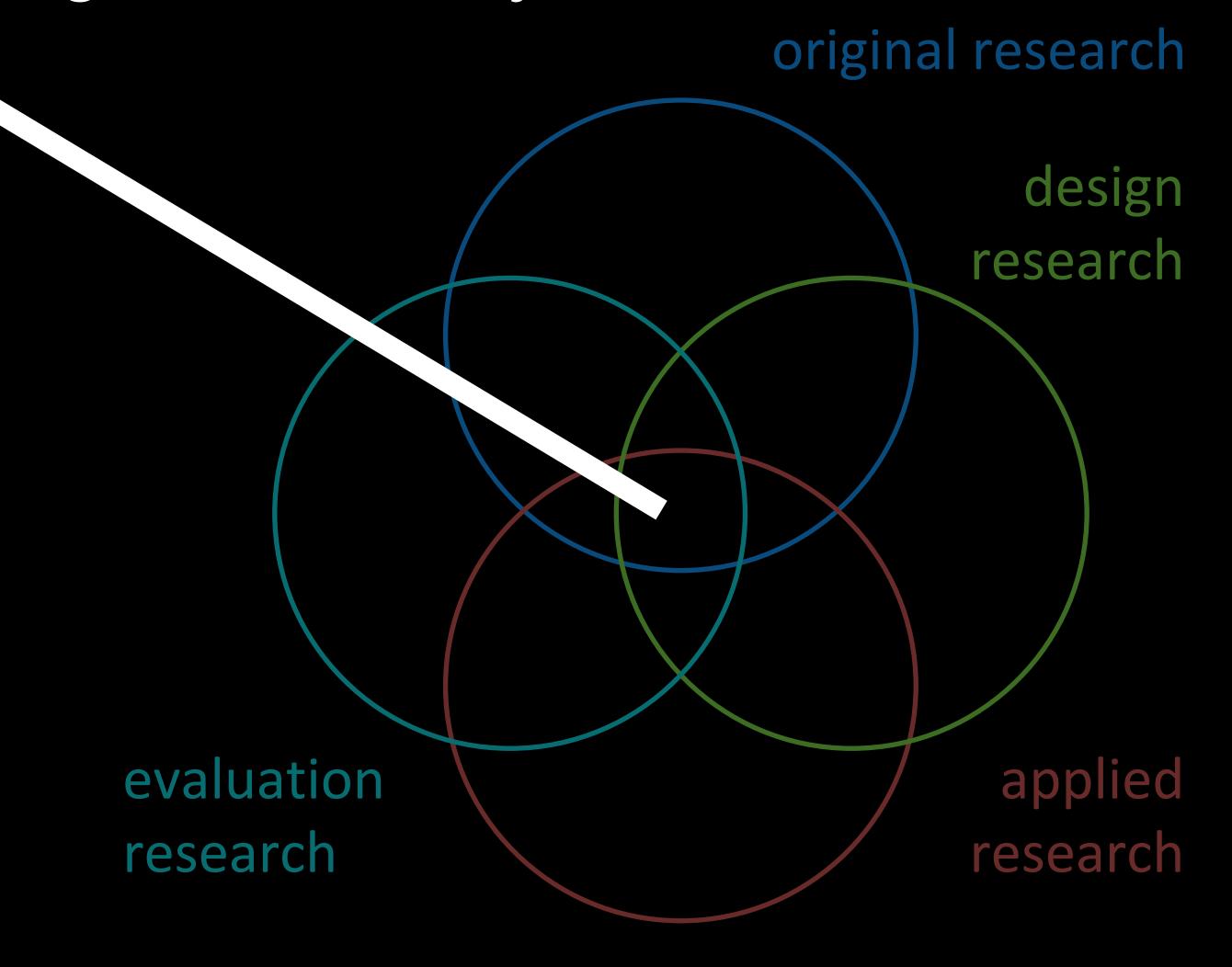




cheaper healthier healthier richer more efficient smarter better

Communication

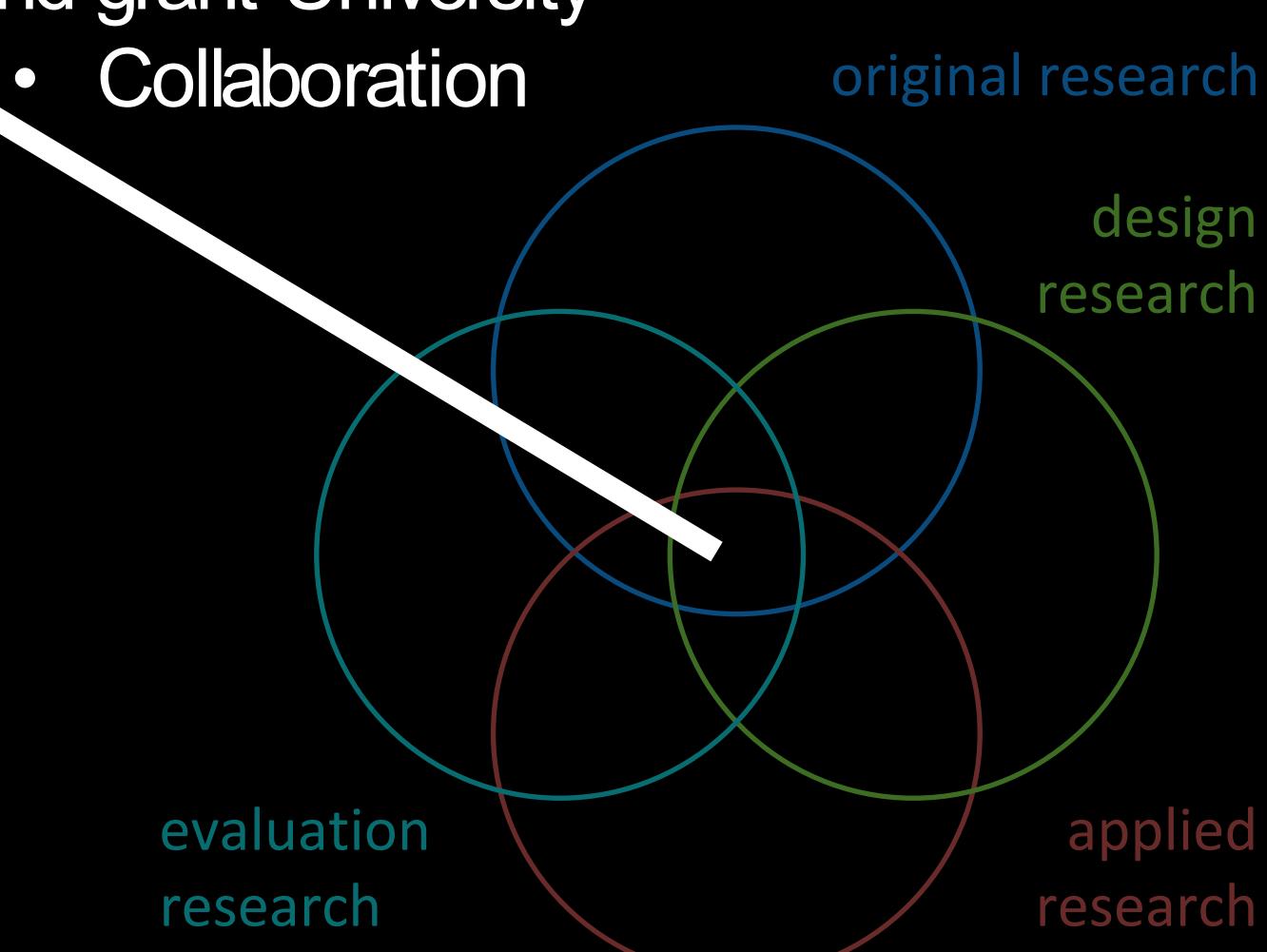
Land-grant University



cheaper healthier healthier richer more efficient smarter better

Communication

Land-grant University



Colaboration is the new competition.

Collaboration

helps us change behavior.



About Don't Be Gross

View All Animations

Vomit Girl

Good Boy

We Have A Winner

Vomit Girl

10 Minutes Earlier

Suds of War

Sticky Situations

HandCam

5 Second Invasion



dontbegross.com



the salt WHAT'S ON YOUR PLATE

eating and health foodways producers food for thought for foodies

eating and health

Julia Child Was Wrong: Don't Wash Your Raw Chick

by MARIA GODOY

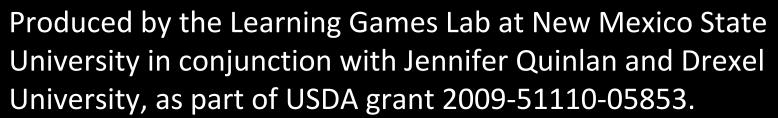
August 23, 2013 8:48 AM ET



Listen to the Story

Morning Edition





the salt WHAT'S ON YOUR PLATE

eating and health foodways producers food for thought for foodies

eating and health

Julia Child Was Wrong: Don't Wash Your Raw Chick

by MARIA GODOY

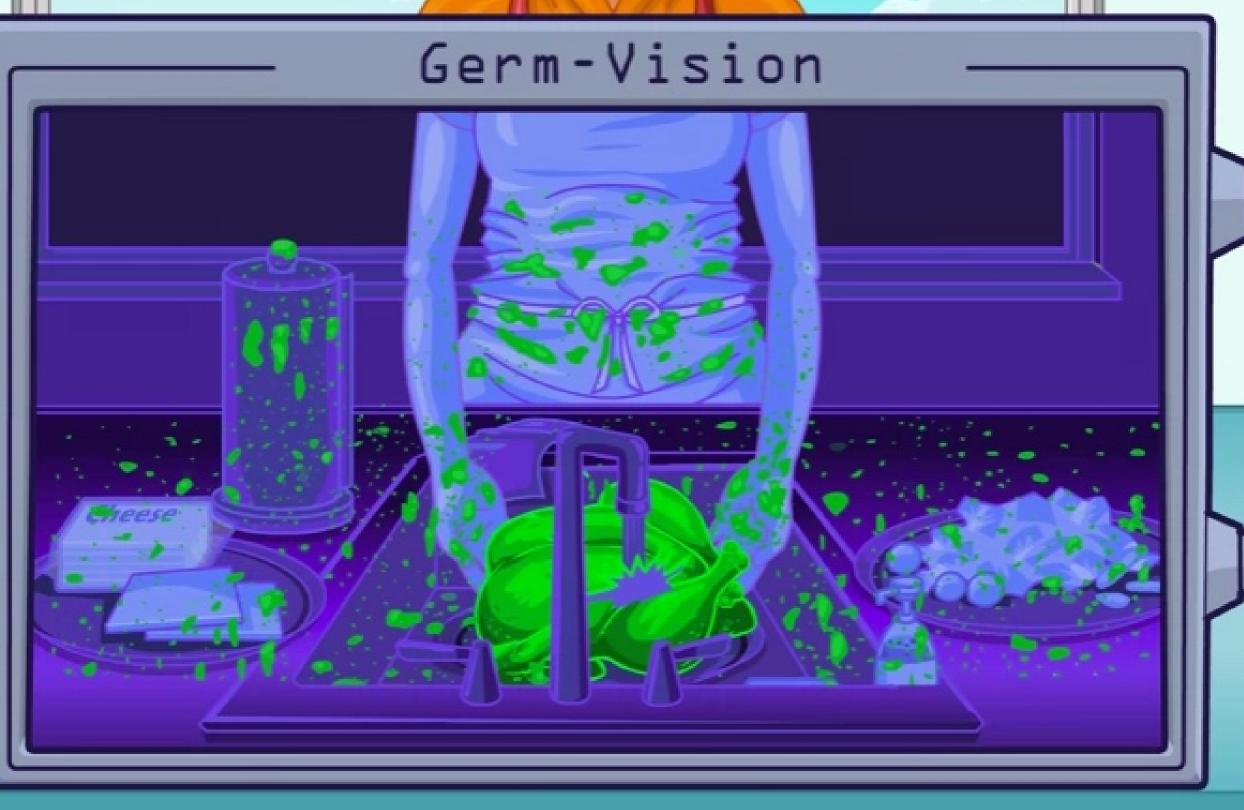
August 23, 2013 8:48 AM ET



Listen to the Story

Morning Edition





Produced by the Learning Games Lab at New Mexico State University in conjunction with Jennifer Quinlan and Drexel University, as part of USDA grant 2009-51110-05853.





Produced by the Learning Games Lab at NMSU in collaboration with Carol Byrd-Bredbenner and Rutgers University. This material is based upon work supported by the National Institute of Food and Agriculture, U.S. Department of Agriculture, under Agreement No. 2007-51110-03813.







Collaboration

helps us support research.

Accessibility iOS Apps Home



Using the Microscope

Gram Staining

Bacteria Sampling Testing for Corn Mold Mycotoxins

Understanding Water Activity

Testing/Adjusting pH

The pH Scale & Meter Calibration

Controlling Water Activity

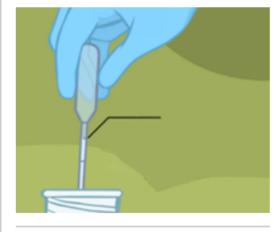
These Virtual Labs help students learn basic laboratory techniques and practice methods used by lab technicians and researchers in a variety of careers, using specific food science lab processes.

It is easy for consumers to take safe food for granted: as most people don't understand the rigorous testing, research and assessment food and food processing requires. Healthy, safe food is of extreme importance and vital to human survival. Expert lab technicians help make sure that the food we eat and feed to our animals will not harm us or our livestock.



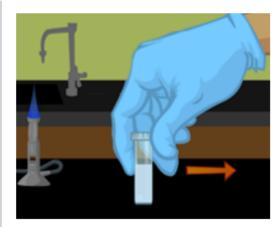
Testing for Corn Mold

The process of testing corn for the presence of aflatoxin.



Bacteria Sampling

Testing milk samples for bacterial contamination with various disposable lab equipment.



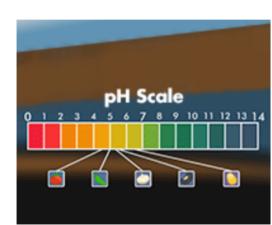
Gram Staining

Using gram staining to test the yogurt sample for bacterial contamination.



Using the Microscope

Learning to use the microscope to view what type of bacteria is contaminating the yogurt sample.



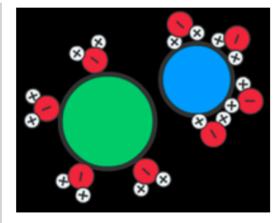
The pH Scale & Meter Calibration

Learn about the pH scale and calibrating a pH meter.



Testing and Adjusting pH

The process of preventing Clostridium botulinum growth in salsa



Understanding Water Activity

Explore how water acts inside food and how this affects spoilage.



Controlling Water Activity in Food

Test the water activity of corn dried using traditional methods.

This work was supported by USDA CSREES and USDA National Institute of Food and Agriculture under two Higher Education Challenge Grant projects: 2008-38411-19055 and 2011-38411-30625. © 2008-2014 NMSU Board of Regents. Collaborating universities South Dakota State University, North Dakota State University and New Mexico State University are all equal opportunity/affirmative action employers and educators.

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virtuallabs.nmsu.edu

Created by the Learning Games Lab at NMSU in collaboration with South Dakota State University and North Dakota State University. This work was supported by USDA CSREES and USDA National Institute of Food and Agriculture under Higher Education Challenge Grant projects 2008-38411-19055 and 2011-38411-30625.

irrigation.nmsu.edu Home Accessibility Review

Irrigation Training Modules

Water Treatment Systems for Pre-Harvest Use

Explore four treatment methods for cleaning irrigation water for fruits and vegetables and practice testing water with the Test Strip Lab. Learn the ins and outs of each method so you can choose and implement treatment appropriate to your situation while continuing to validate, verify and monitor your process.

Animated Videos **↓**

Test Strip Lab **↓**

Animated Videos



Overview: Water Treatment System



Tablet Chlorinator: Water Treatment System

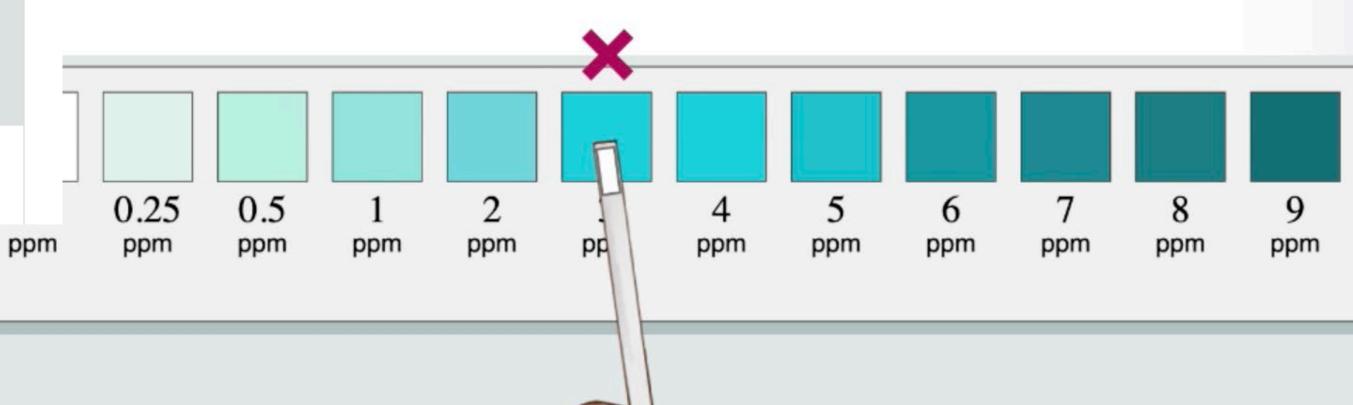
Interactive: Test Strip Lab



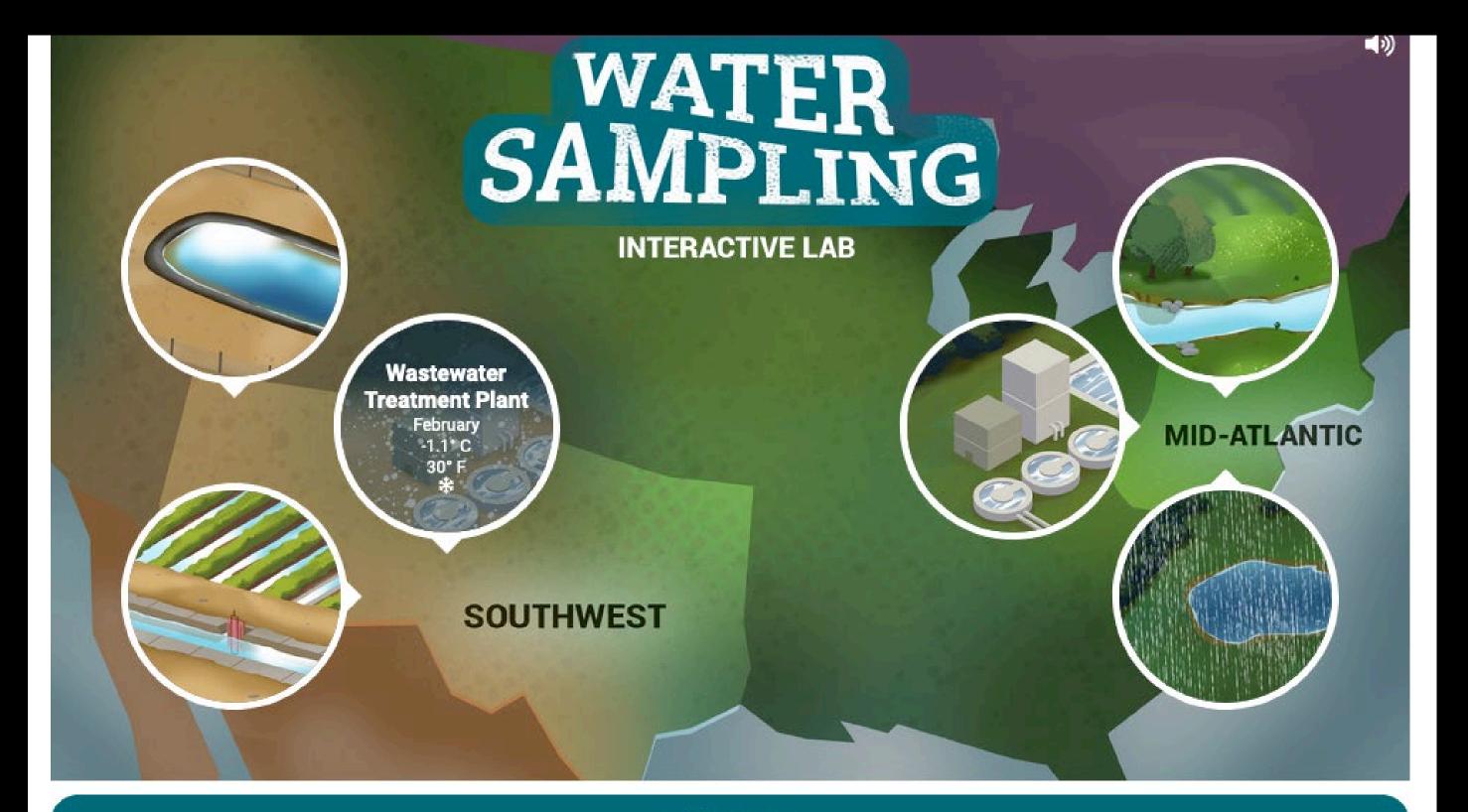
Learn how to accurately test chlorine levels in irrigation water and how to avoid common pitfalls of chlorine testing systems.

Match the test strip to the color chart

far lighter than this color chip. There must be far less than 3 ppm. Try moving it left a few steps.







Fullscreen

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National Institute of Food and Agriculture



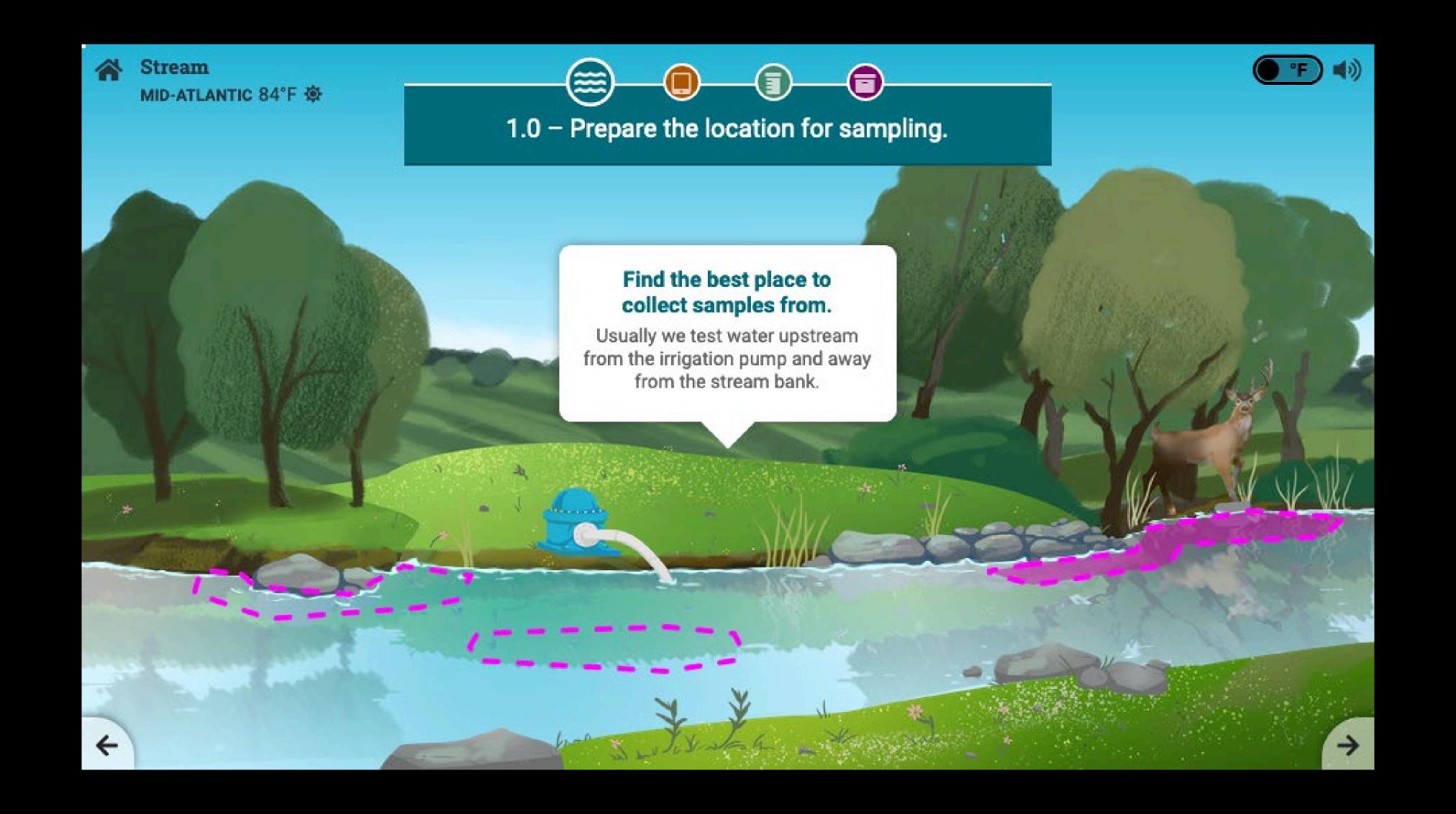


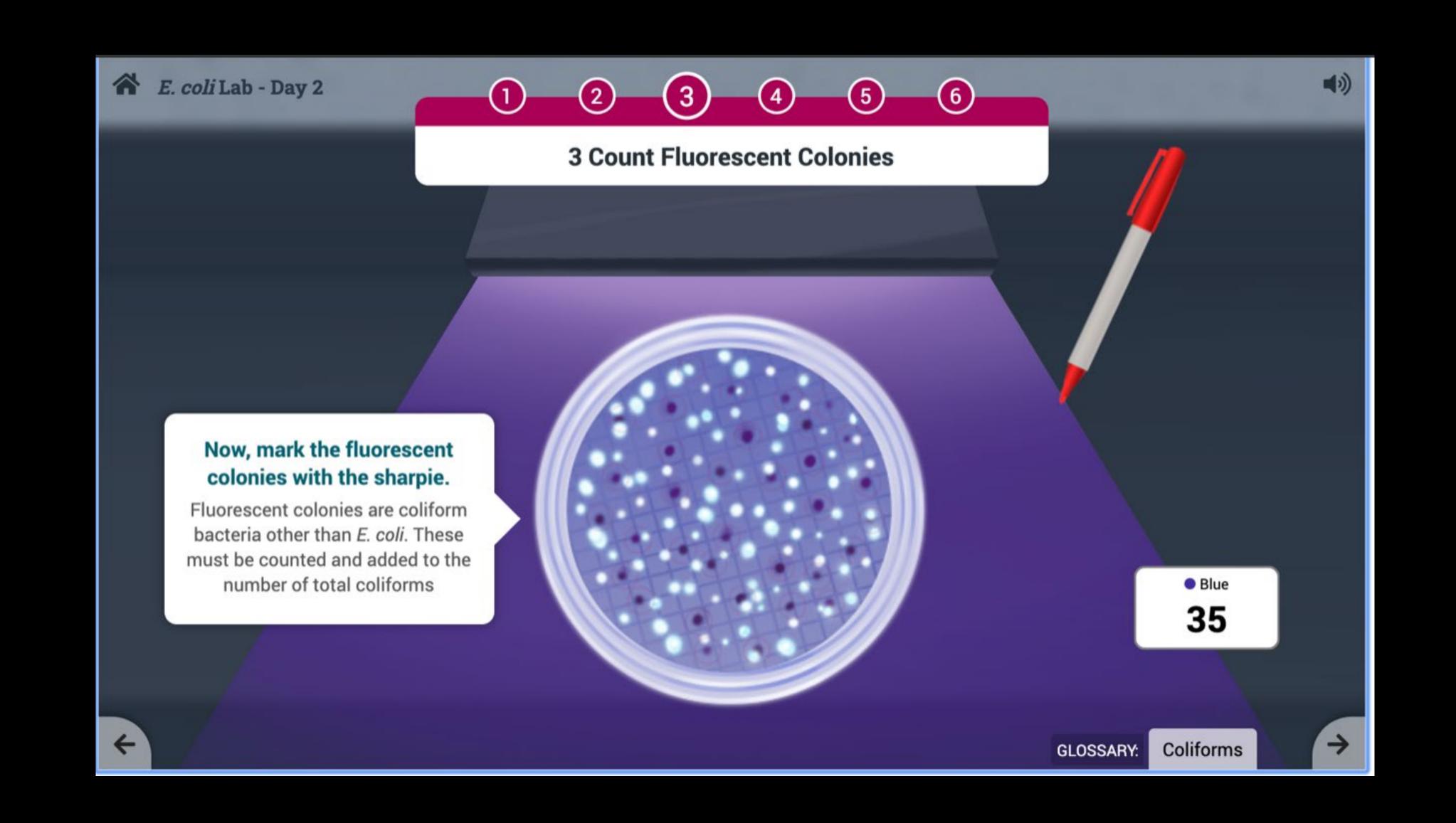






conservewaterforfood.org









Today, we're taking the first steps for analyzing samples from a **pond**, creating dilutions and filtering the water.

CONTINUE







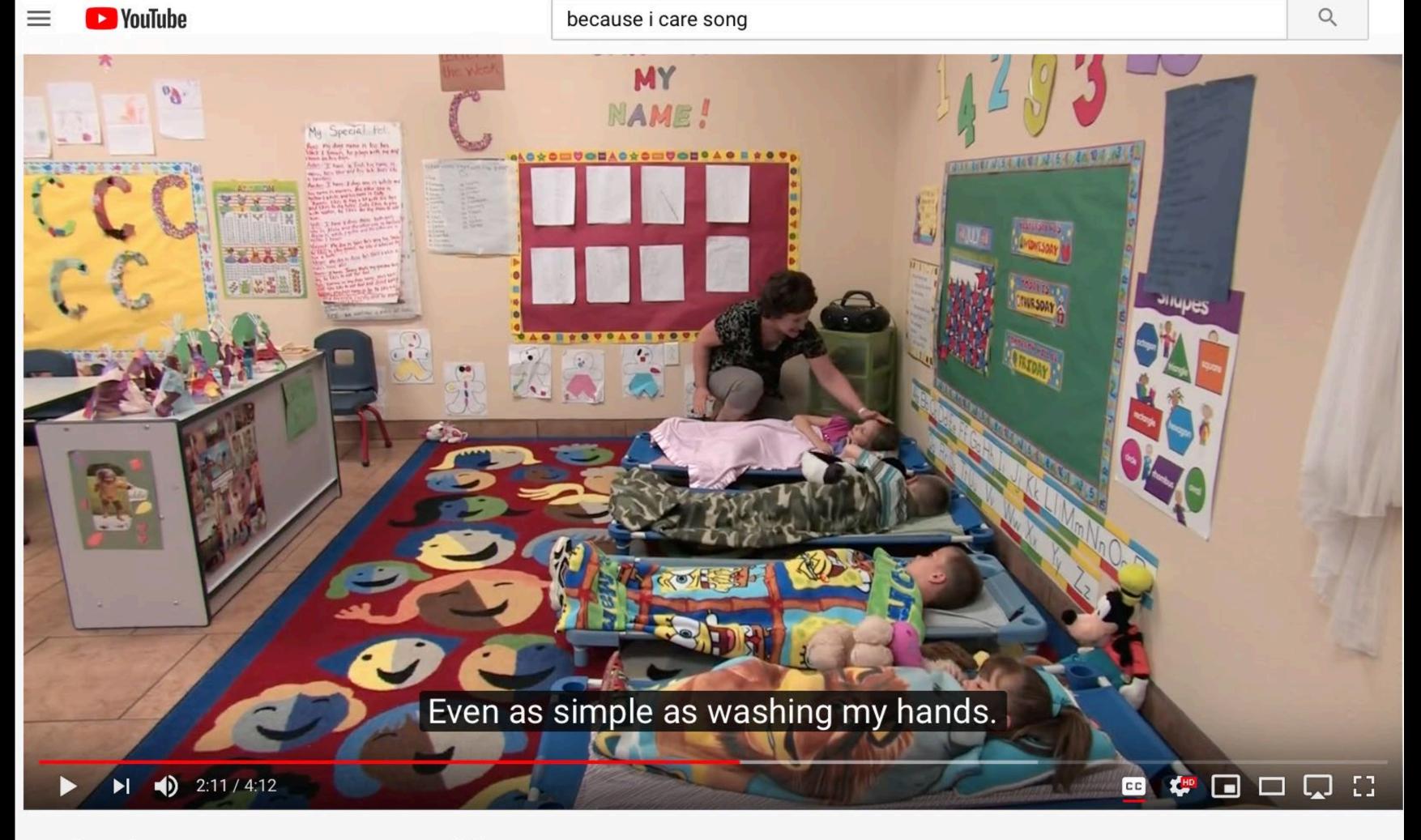
ProduceSafetyMatters.org



Created by the Learning Games Lab at NMSU as part of a collaborative project supported by North Carolina Cooperative Extension, The Ohio State University Extension, and a 2012 Florida Specialty Crop Block Grant as part of the Multi-State Project "A systems approach to improving the safety of cantaloupe."

Collaboration

helps us reach new audiences.



Hand Washing Songs: Because I Care Lullaby

90,384,148 views • Sep 8, 2011



148K









SUBSCRIBE

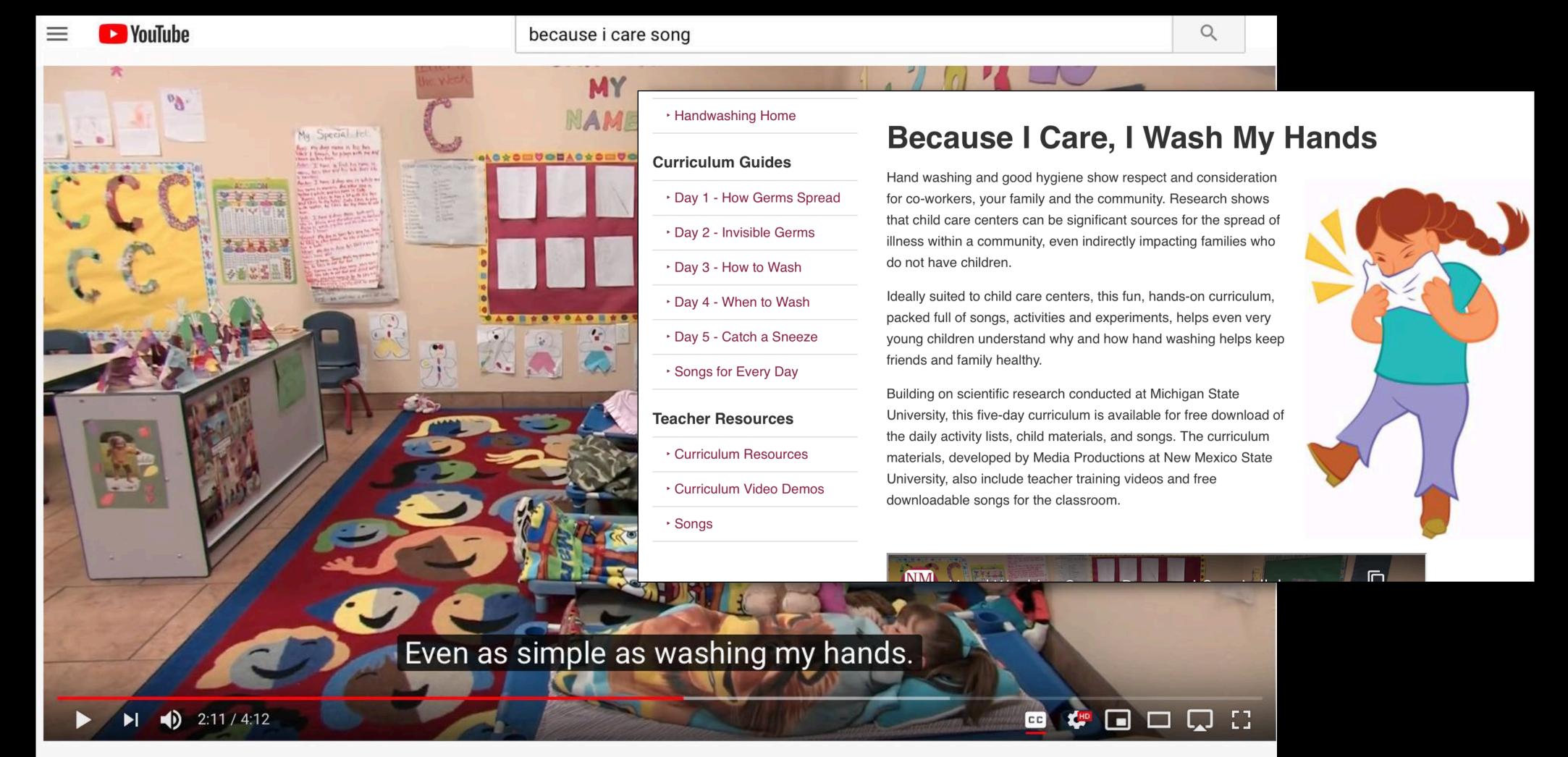


nmsuaces

262K subscribers

This nap time lullaby honors day care workers for the many small but important ways they demonstrate care and concern for children.

Produced by the Learning Games Lab at NMSU based on work funded by the National Integrated Food Safety Initiative (NIFSI), United States Department of Agriculture (USDA), under Agreement No. 2008-51110-04365; Michigan State University, New Mexico State University, and Kansas State University cooperating.



Hand Washing Songs: Because I Care Lullaby

90,384,148 views • Sep 8, 2011















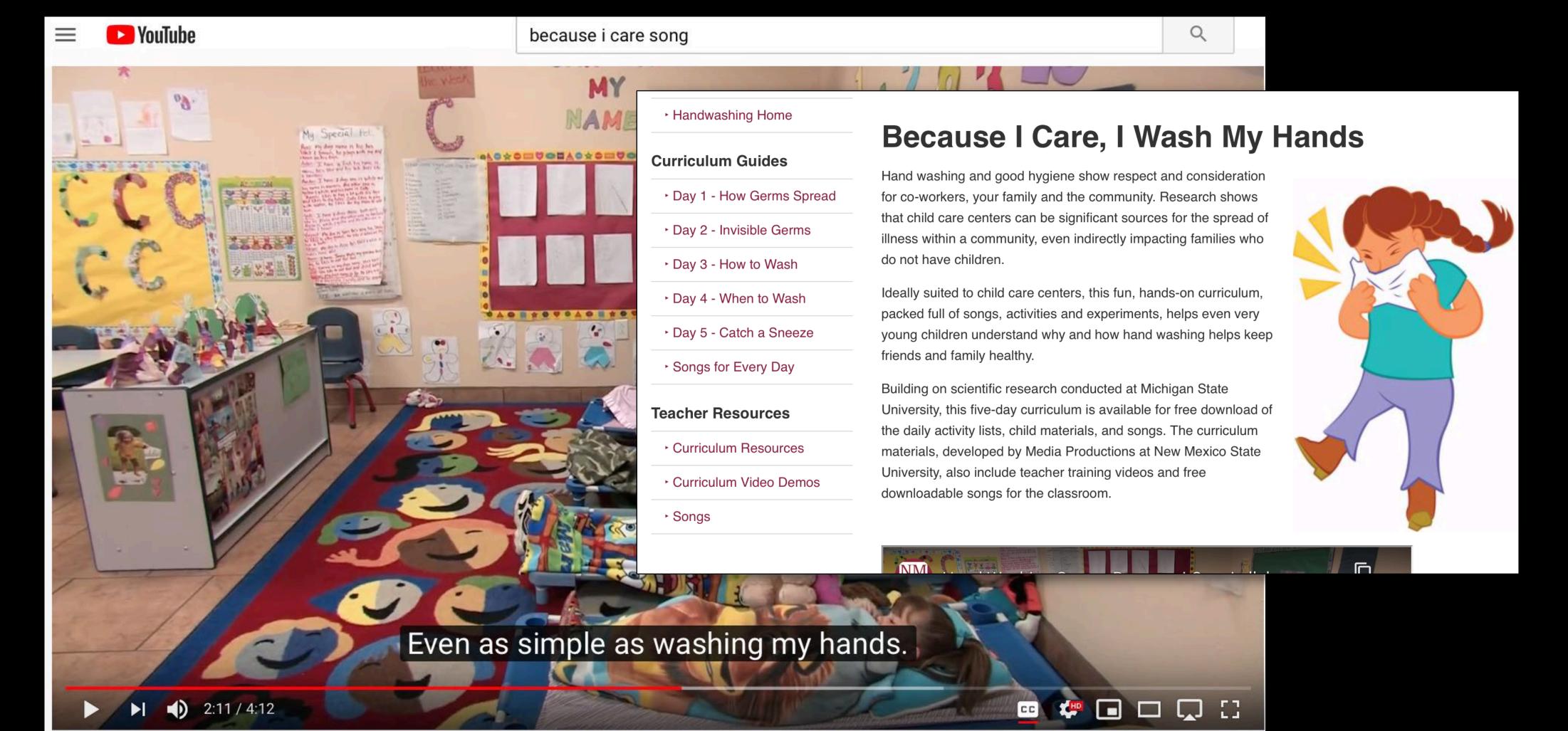
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Hand Washing Songs: Because Sare Lullaby

90,384,148 views • Sep 8, 2011



4











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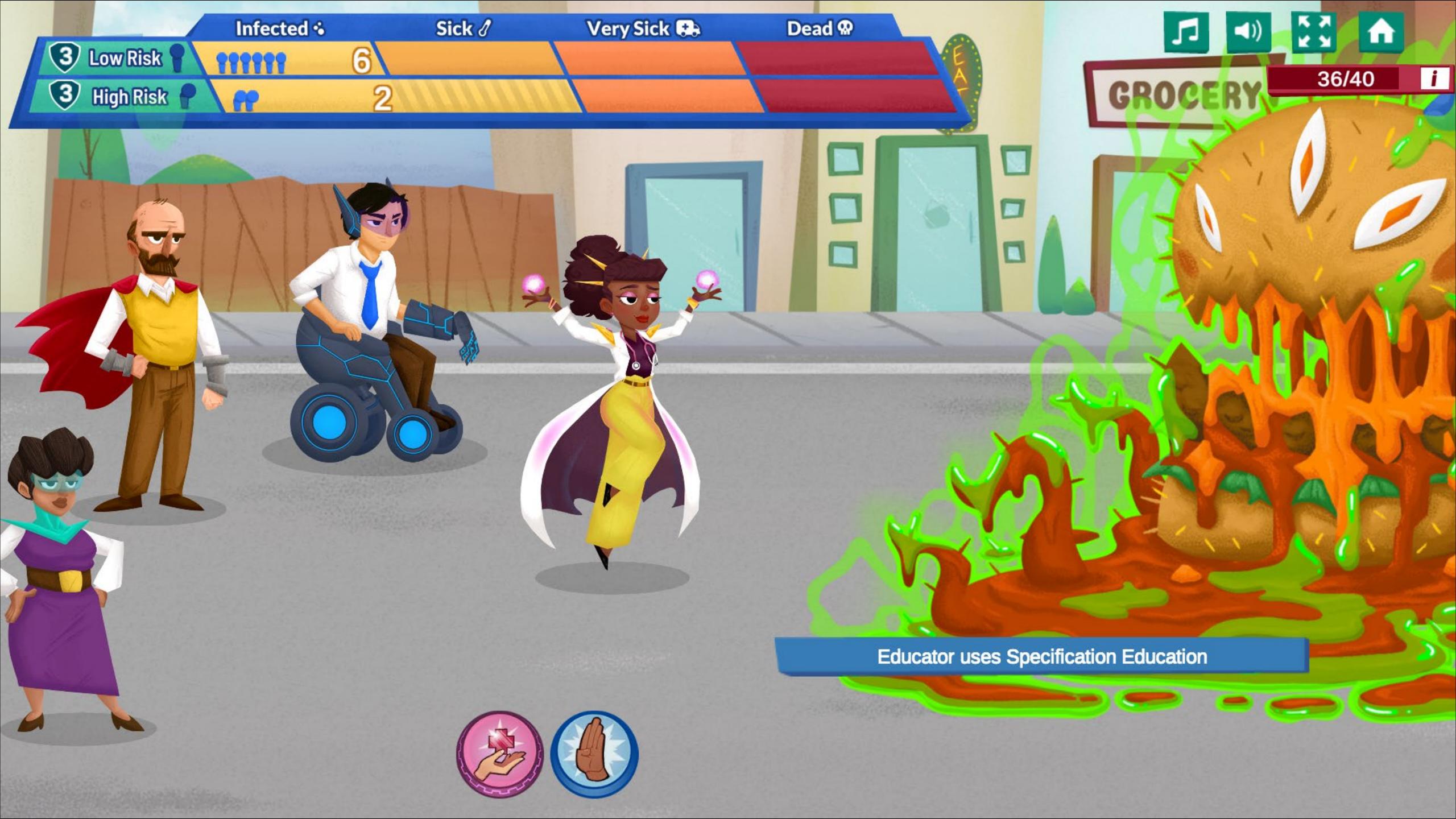
OutbreakSquad.org





















Outbreak Defeated!

Level Summary

	Low Risk	High Risk	Total
Infected	0	0	0
Sick	0	0	0
Very Sick	3	0	3
Deaths	5	2	7

CONTINUE

REAL OUTBREAK!



In 1993, an outbreak occurred where 732 became ill from consuming contaminated beef patties in the Northwest United States. The majority of the victims were under the age of 10.

Linorder doco erradar LiMi

Collaboration

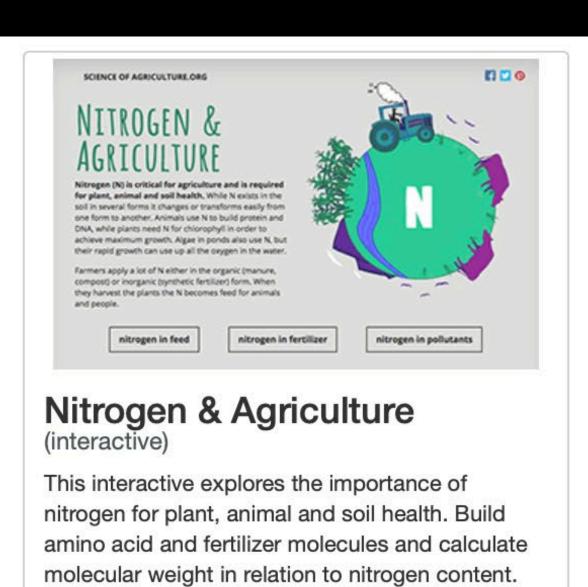
helps us innovate with technology.

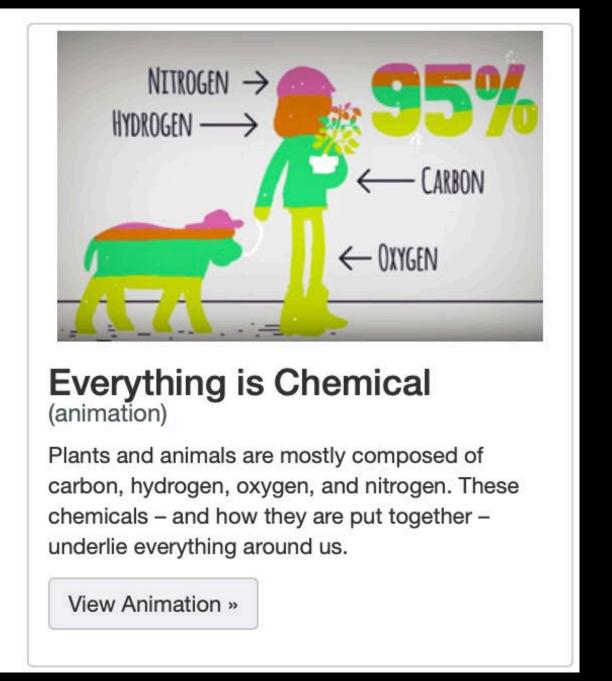




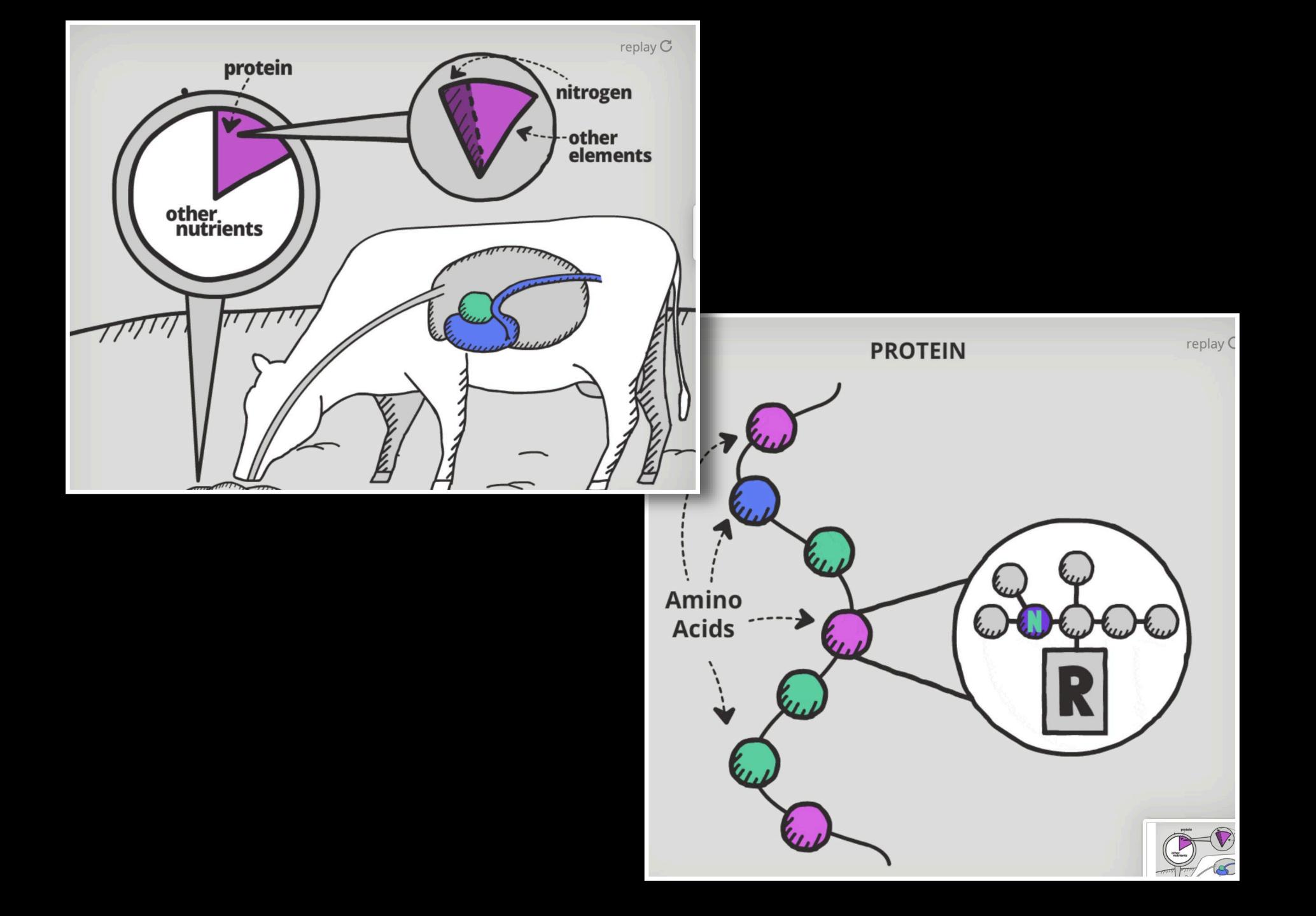


View Interactive »

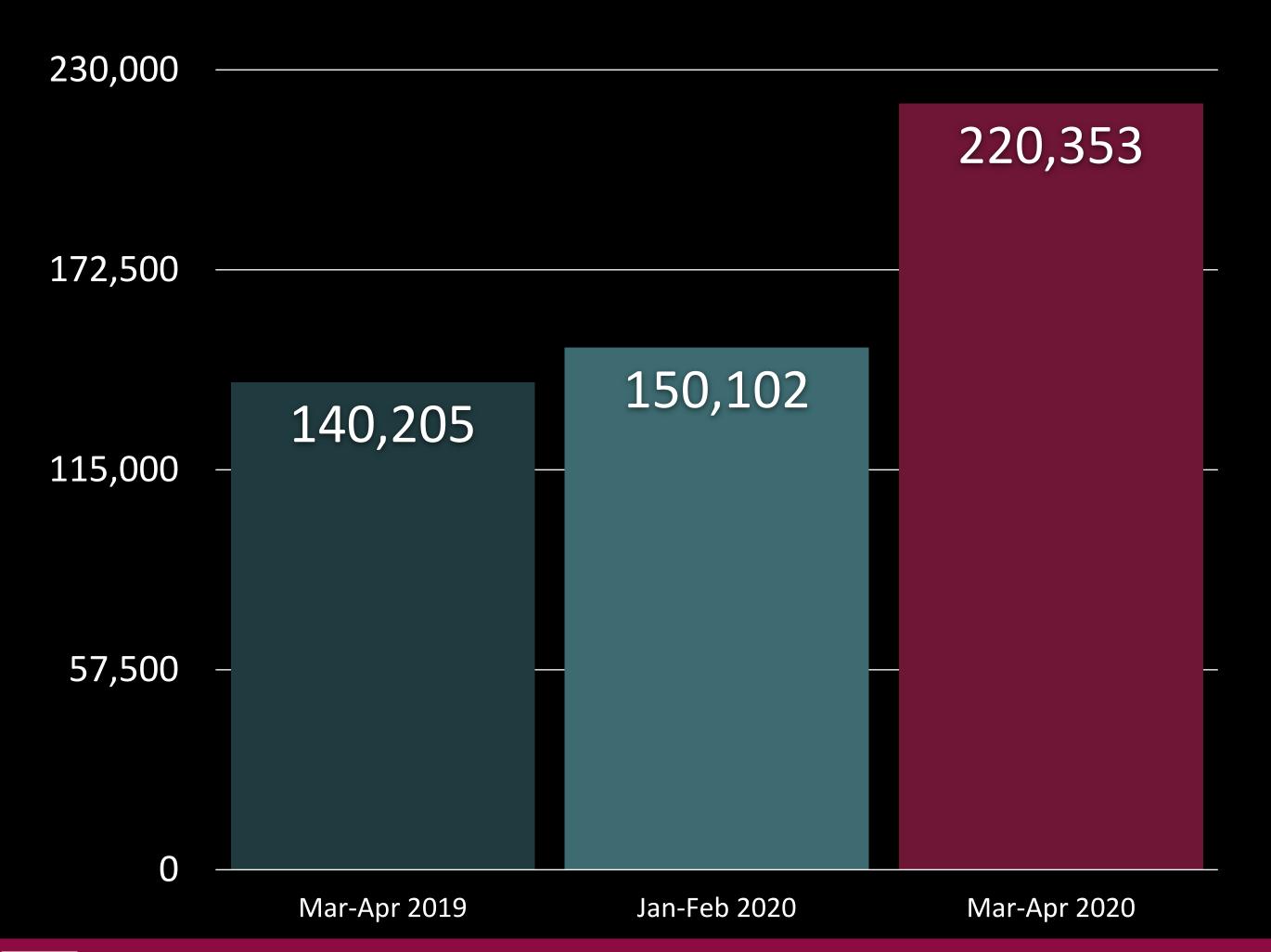




View Interactive »



287,500 Publication Downloads

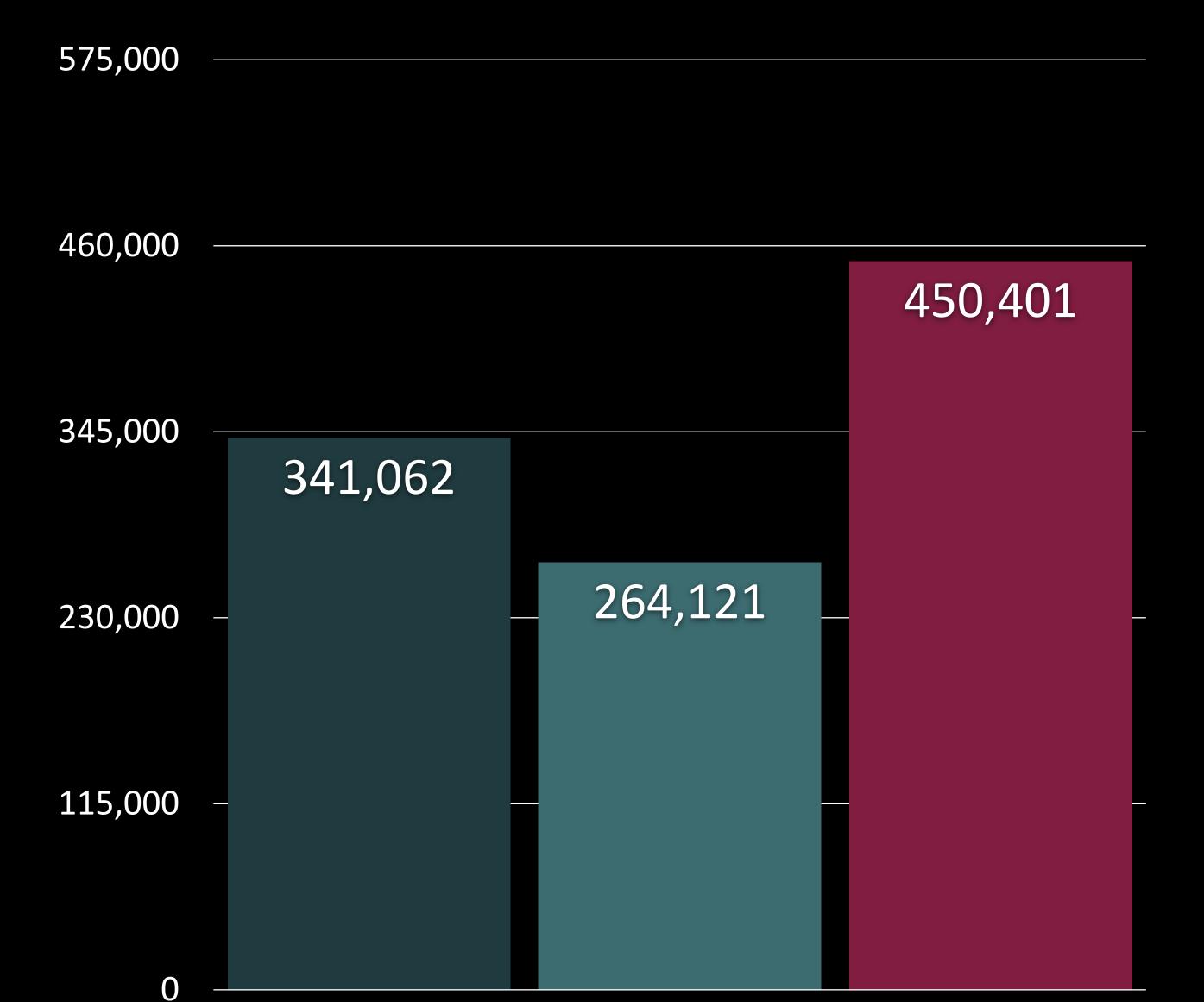


Quarantine period (March, April) compared to:

Same time, last year: +80,148

Previous 2 months: +70,251





Videos on YouTube

Quarantine period (March, April) compared to:

Same time, last year: +109,339

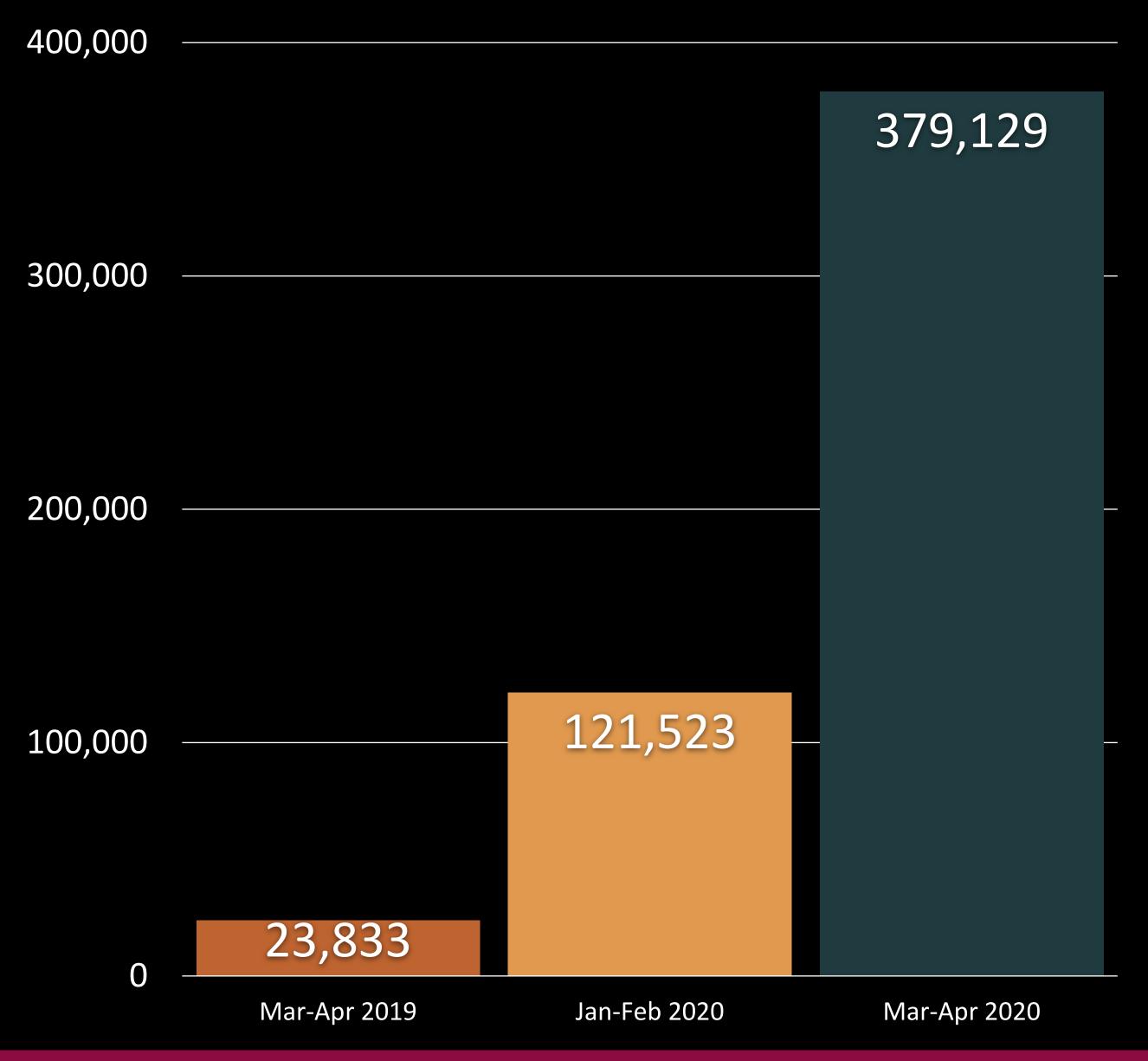
Previous 2 months: +186,280



Mar-Apr 2019

Jan-Feb 2020

Mar-Apr 2020



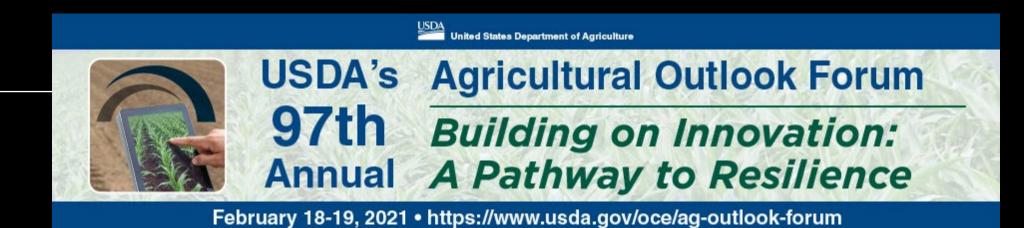
App Downloads

Quarantine period (March, April) compared to:

Same time, last year: +355,296

Previous 2 months: +257,606





Collaborating

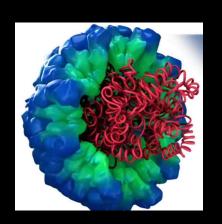
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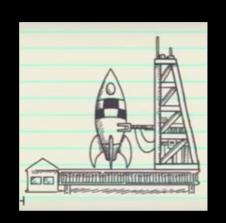




















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