Tools from NMSU's Media Productions

Learning Games Lab

Animations • Video • Games • Apps • Virtual Labs

















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@bchamber





Games



mathsnacks.org



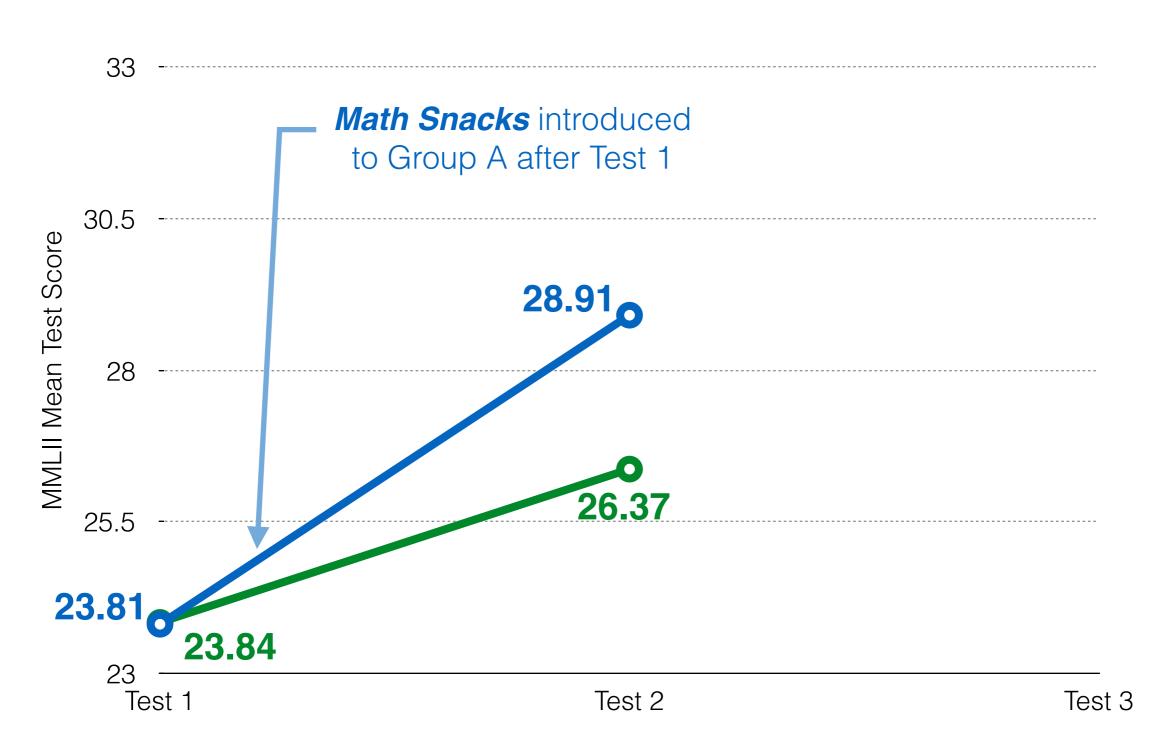






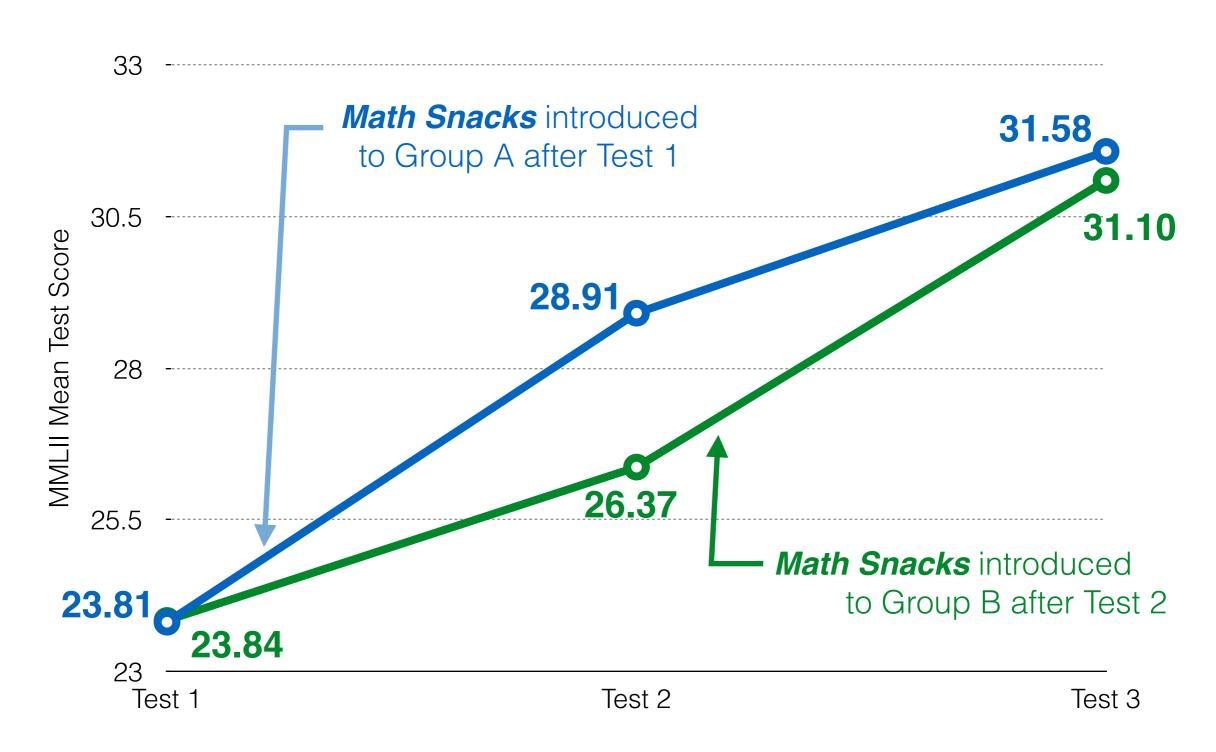
Impact of *Math Snacks* Games on Math Test Performance of 5th Graders

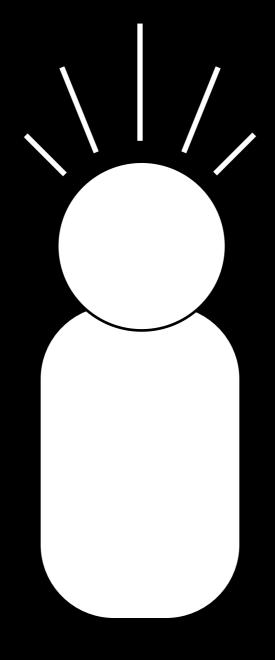
n=741 students in fifth grade



Impact of *Math Snacks* Games on Math Test Performance of 5th Graders

n=741 students in fifth grade





one great idea

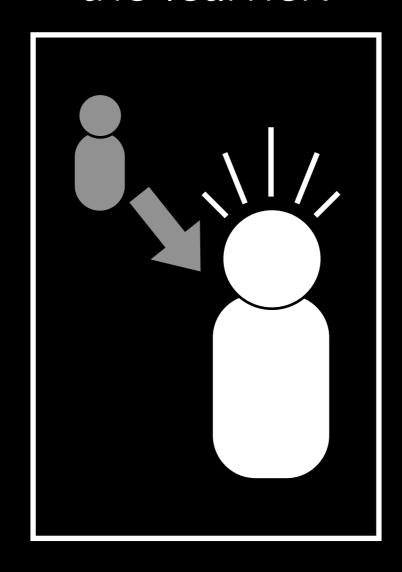
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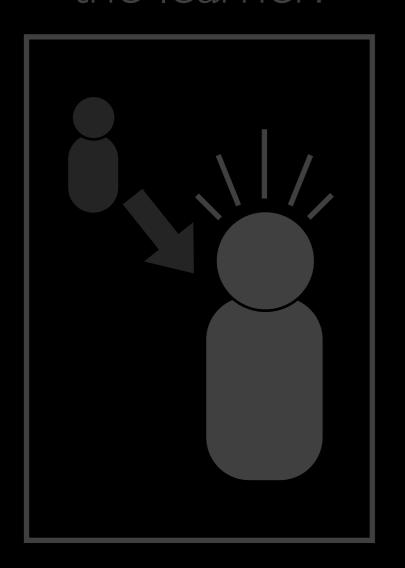


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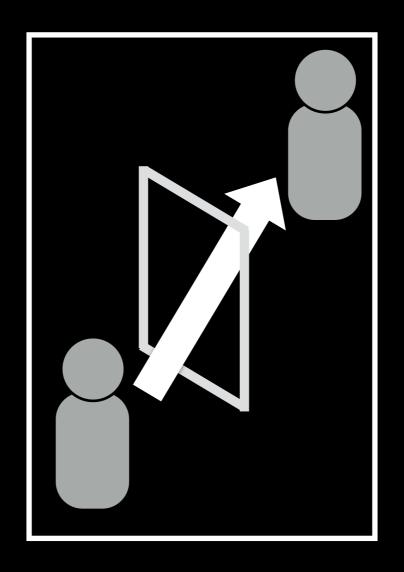
start with a

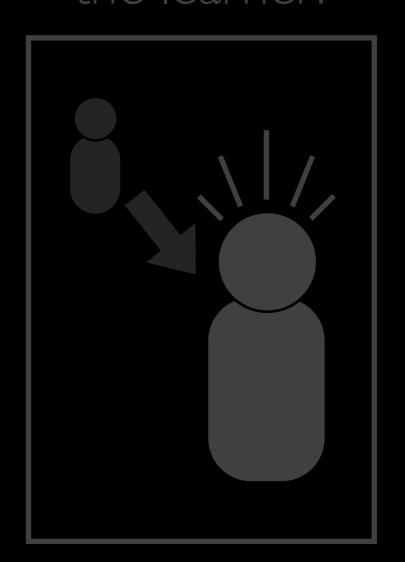
with clear outcomes.



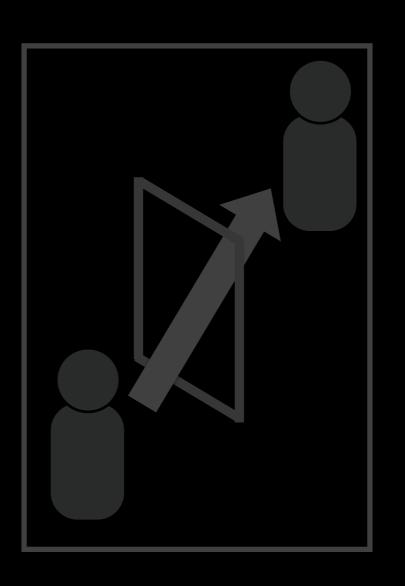


What activities lead to that change?

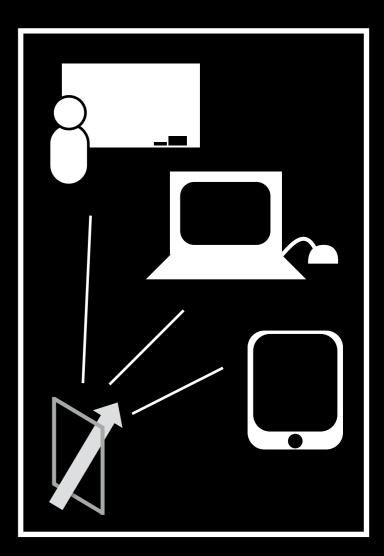


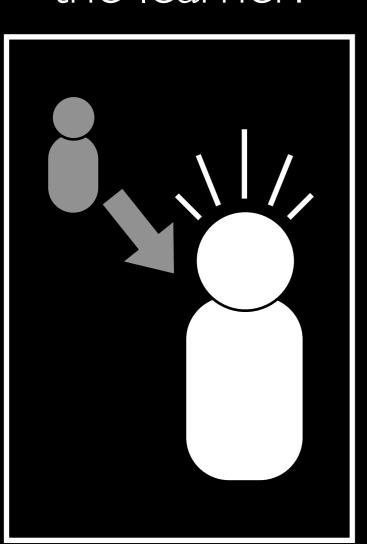


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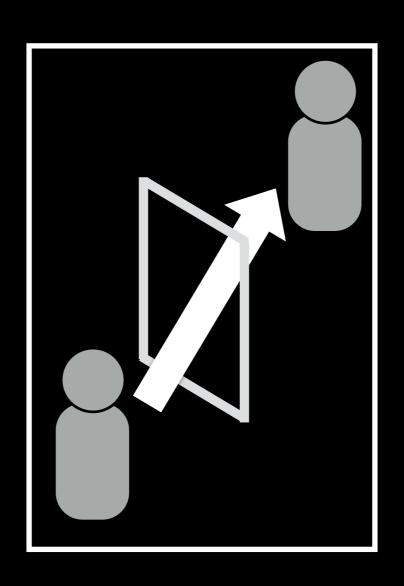


How can gameplay facilitate those activities?

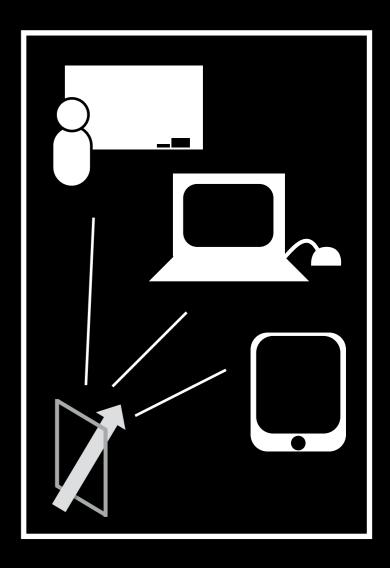




What activities lead to that change?



How can gameplay encourage those activities?



What do we want the learner to be able to do?

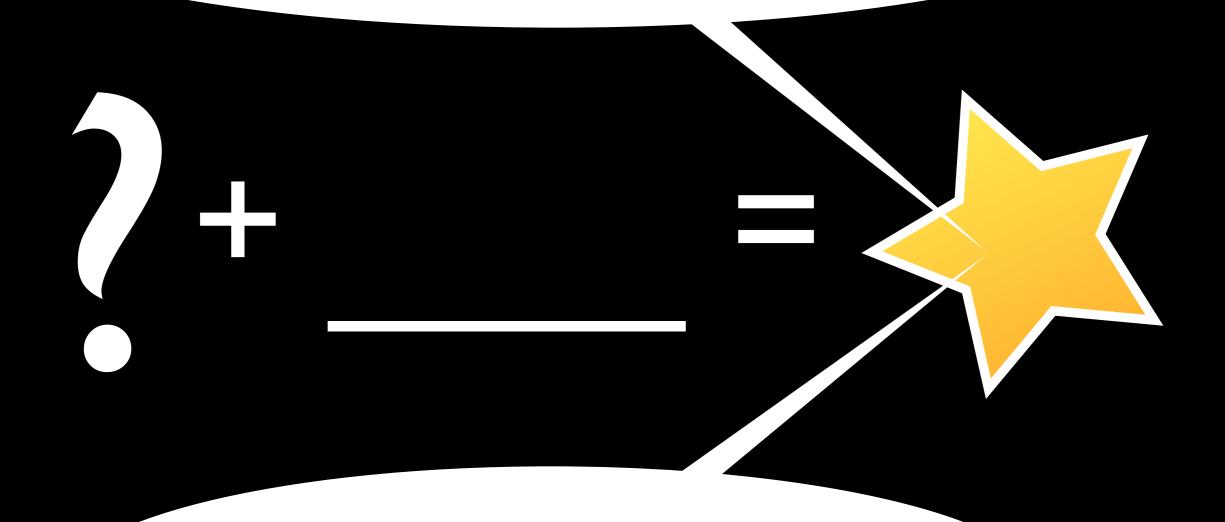
inquiry-based learning

have them do it & reward them

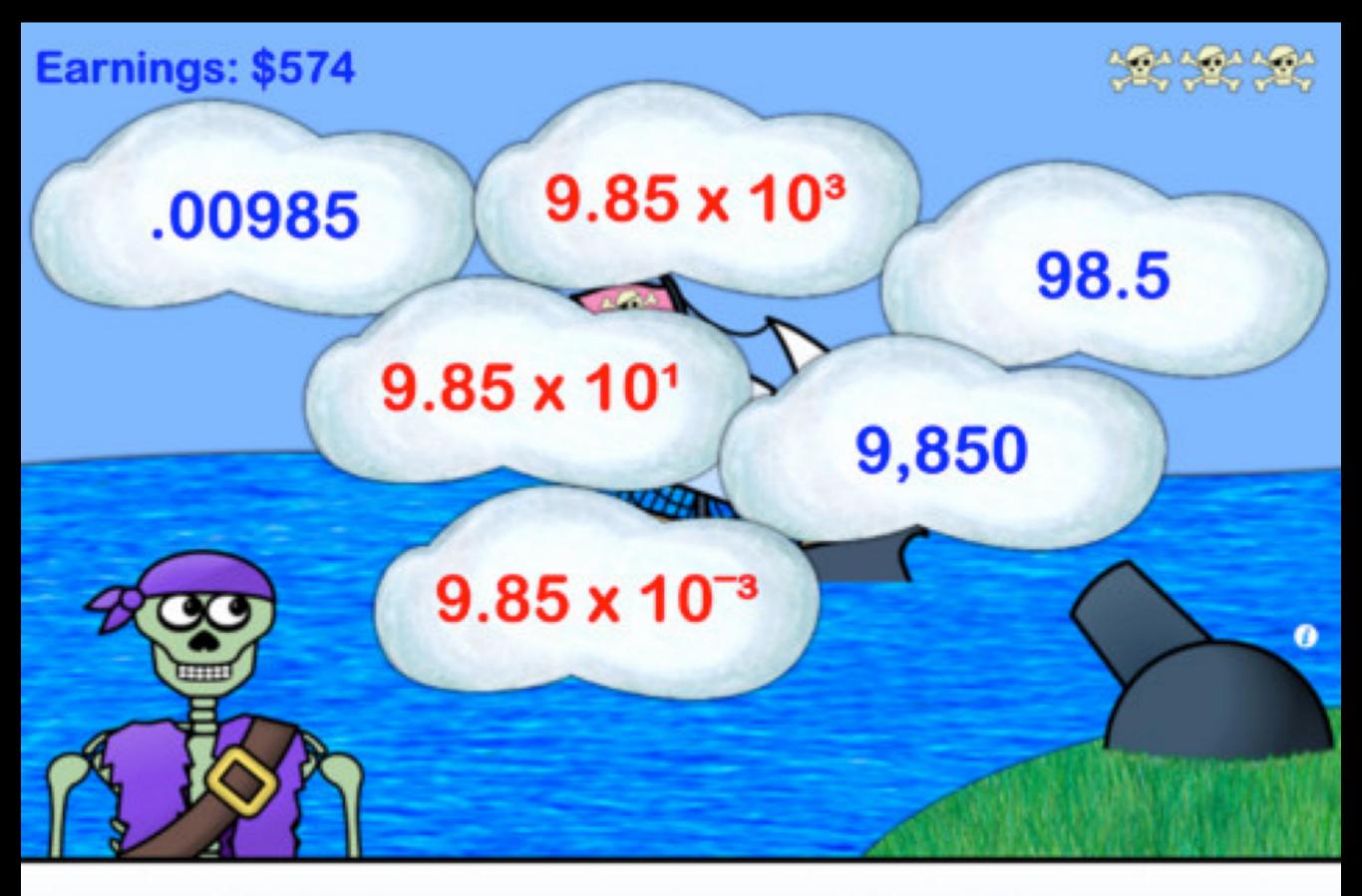
create an environment where they reveal how to do it themselves

gamification

answering questions may yield success in answering questions



but does it transform the learner?



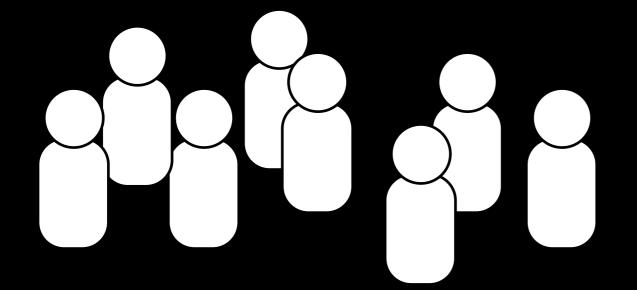
H Match up the clouds correctly. H

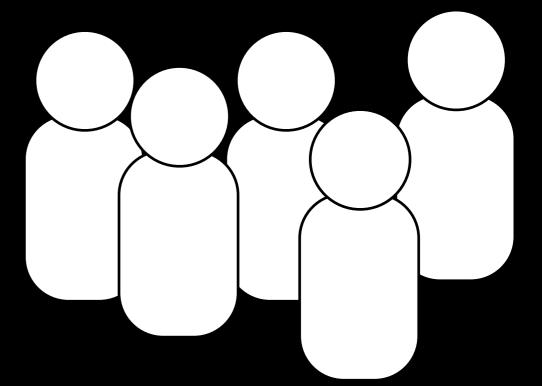
Guiding Questions

- If the learner doesn't know this coming into the game, will she learn it through game play?
- Will this lead to the desired outcome?
- Is it fun enough to sustain engagement?
- Are we maximizing this game's potential?

Important Elements:

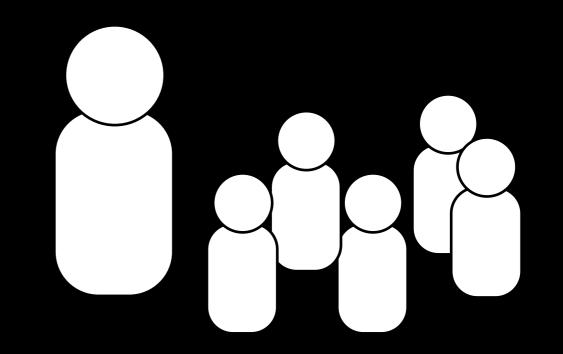
Quality Advisory Committee





User testing

Teacher Training
Camps





Atlantean Dodgeball Animation Ratios & Differences



Animation

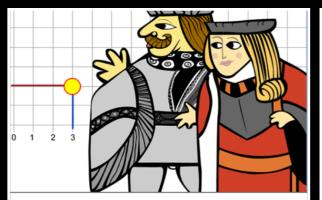
Ratios



Number Line & Fractions



Ratey the Math Cat Animation **Unit Rates**



Overruled! Animation Measures & Proportions



Scale Ella Animation Scale Factor



Pearl Diver Game Fractions & Number Lines

Animation



Ratio Rumble Game Ratios



Gate Game Numbers and Place Value



Game Over Gopher Game Coordinate Plane



Game Base Ten Decimals



Math Snacks Video Player iOS App Teacher's Aide

















Mobile Apps



Carrier

1:44 PM

Select a form

Sync

Subject Data

Student Survey_LK

Questionnaires

4-H Common Measures_LK

ASSQ: Exercise Questions_LK

ASSQ: How Likely Are You... Questions_LK

ASSQ: Nutrition Labels and Food Questions_L

ASSQ: TV Watching and Video Game Question

ASSQ: What You Ate Yesterday_LK

Global Self Worth_LK

Endurance / Performance

PACER Individual Score Sheet

Ask Board

MSSf CTFANs301





Please tell us about your experience with 4-H CT FANs IM Program. This survey is not a test. There are no wrong or right answers. Your answers are private. If you do not want to do the survey, you do not need to. However, we hope you will because your answers are important. Your answers will not affect your participation in the program.

Please be honest as you can.

Thank you for your help!

Language/ Idioma



English



Español

Cancel

Next Page



1:45 PM



SD

4-H Common Measures_LK: 8 Weeks/Post-Test

We would like to know what you learned or now do differently since you have been in 4-H CT FANs IM program? How much do you agree or disagree with each statement? Choose "SA" if you Strongly agree. Choose "A" if you agree. Choose "N" if you Neither agree nor disagree. Choose "D" if you disagree. Choose "SD" if you strongly disagree

I learned the foods that I should eat every day.	SA	Α	N	D	SD
Should cut every day.					
I learned what makes up a balanced diet.	SA	Α	N	D	SD
I learned how to make healthy food choices.	SA	А	N	D	SD
ioda diloida.					

I eat more fruits and

vegetables.



Credit Score Game









Animations Social Media



About Don't Be Gross

View All Animations

Vomit Girl

Good Boy

We Have A Winner

Vomit Girl

10 Minutes Earlier

Suds of War

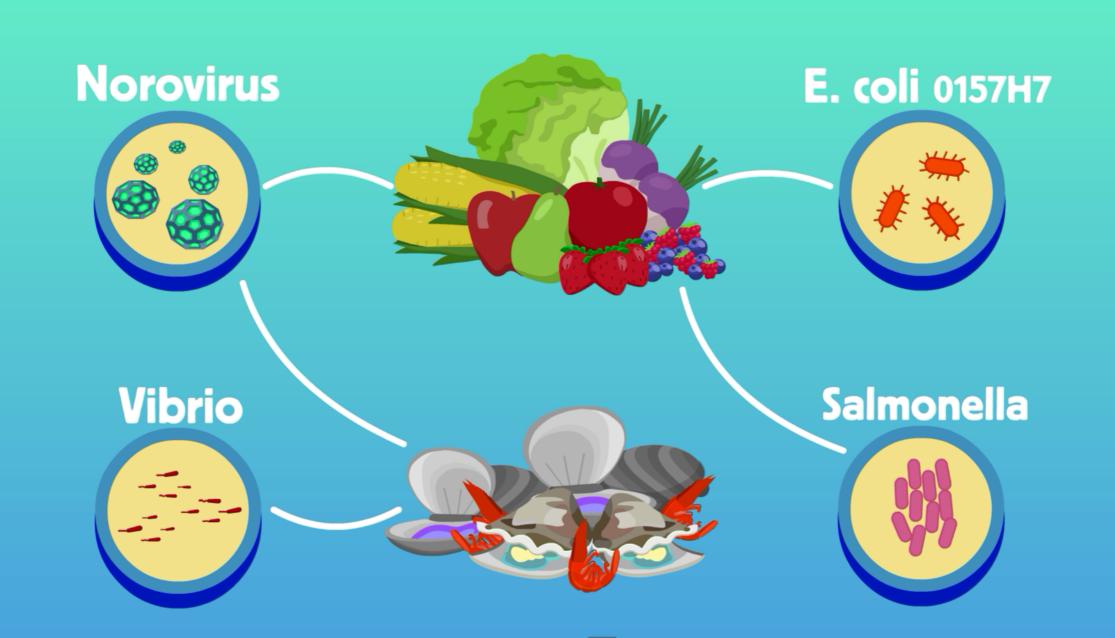
Sticky Situations

HandCam

5 Second Invasion

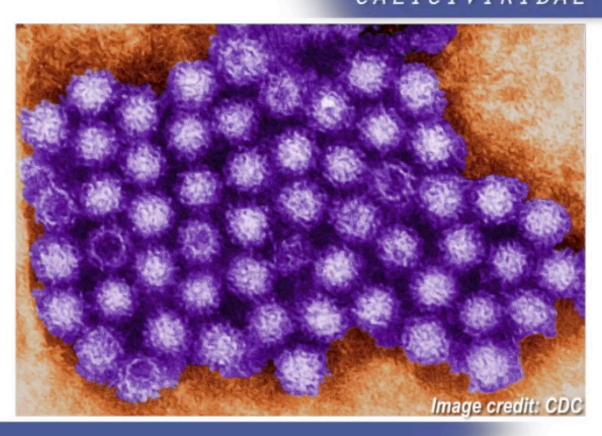






Scientific Visualizations

NOROVIRUS CALICIVIRIDAE FAMILY



SMALL ROUND STRUCTURED VIRUSES

Our Media Limelight

DON'T WASH YOUR CHICKEN!





eating and health

foodways

producers

food for thought

for foodies

eating and health

Julia Child Was Wrong: Don't Wash Your Raw Chicken, Folks

by MARIA GODOY

August 23, 2013 8:48 AM ET



Listen to the Story

Morning Edition

- -

PlaylistDownload

2 min 34 sec

■ Transcript







VIDEOS & PHOTO NOVELLAS

RESOURCES

CONTACT US

DON'T WASH YOUR CHICKEN

Although raw chicken and turkey can carry bacteria on their surfaces, research has shown that washing raw poultry under running water in your kitchen sink is a bad idea.

If germs were visible to the naked eye, you would see that washing poultry just splashes bacteria all over you, your kitchen towels, your countertops, and any other food you have nearby, such as raw foods or salads. This can make people sick, especially young children, pregnant women, older adults and the immunocompromised.

Instead, just take raw poultry straight from the package into the cooking pan. The heat from the cooking process will kill any bacteria that are present. Then simply clean up any splashes and wash your hands with soap and hot water.

To learn more, explore the four mini dramas or the photonovellas.

English Spanish Amharic Hmong Oromo Somali Vietnamese

Virtual Labs

Understanding Water Activity

Definition

Storing foods safely

Microbes and water

Binding Water & Salt

Binding Water & Sugar

Controlling aw

Hazardous foods

Testing for accuracy

Conclusion

Credits

Which method would work best? Choices: Refrigerate, Storage bag, Dry, Add sugar, Add salt















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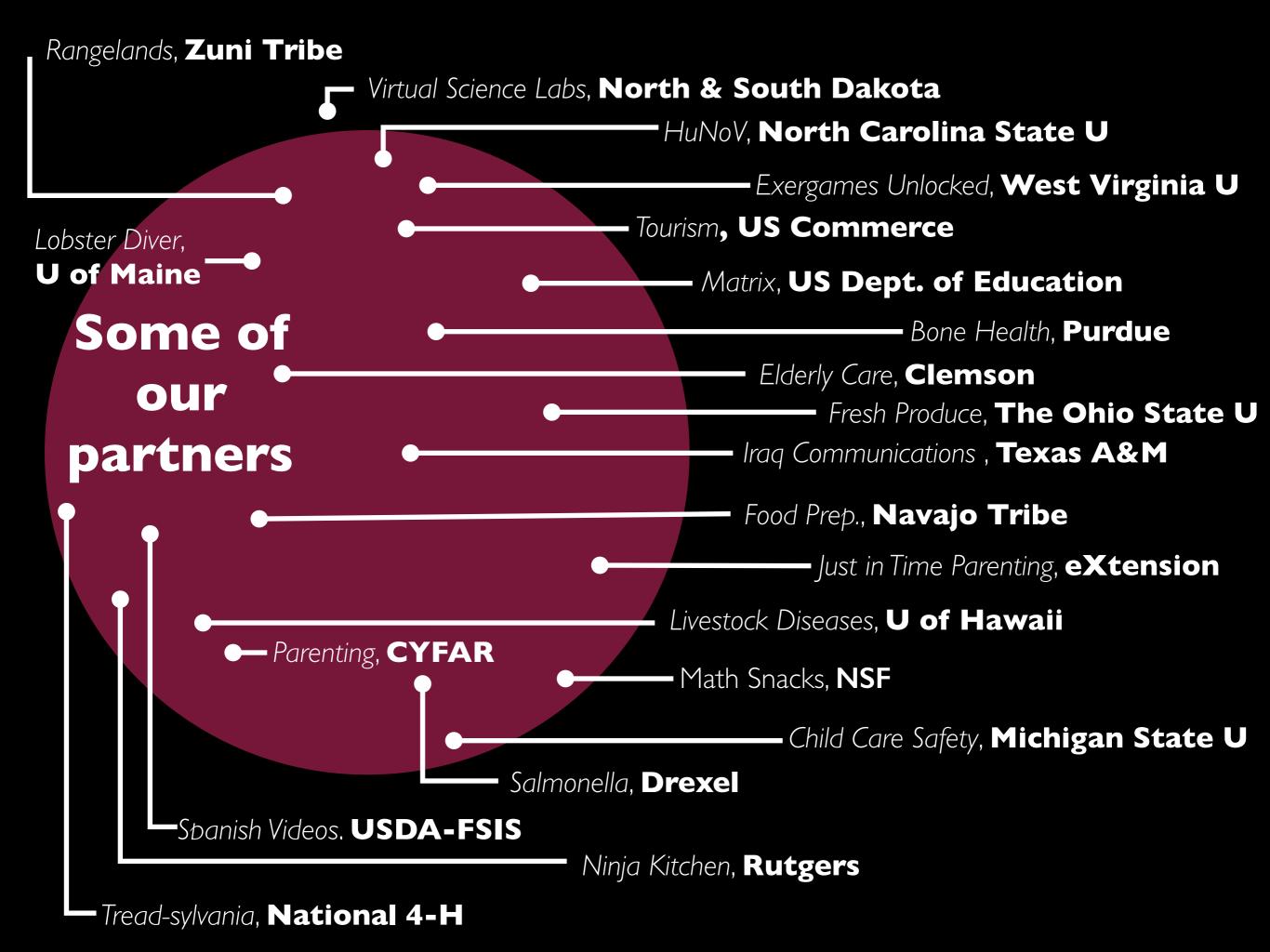
Testing for accuracy

Conclusion



Credits





What blacement?

self-distribution

Brain POP

GlassLabs

manages partnerships & placement

PBS Media

Educade

Playful Learning

Directory

eSpark

Graphite

Pearson OLE

JayisGames

MERLOT

Edmodo

Kongregate

Serious Games

Clark Chart

school in



Learning Games Lab & Media Productions

How are people exposed to our learning tools?

20 Web Server Resources
843,669 views

12 BrainPOP
Games
4,439,719 plays

12 BrainPOP
Games
4,439,719 plays

15 Apps *130,196* downloads

What are we Working now for you



Potluck Panic Game

- convey risk, and other concepts related to food safety
- show complexity of outbreaks



photo by Matteo Bagnoli on Flickr

Cooking App for Kids & Families:

- Emphasize garden vegetables
- Get families cooking and eating together



Apps for toddlers & their families

- better feeding and eating
- better core movement



photo by Katherine Smith on Flickr

Water reclamation for agricultural production

- identify alternative water sources
- research reclamation
- educate producers & students



Zinkicide: A Nanotherapeutic for HLB

 share findings and recommendations with growers

Zinkicide: A Nanotherapeutic for HLB Lead PD: Evan Johnson, University of Florida



photo by Alain Bachellier on Flickr

SPECA Classroom Tools:

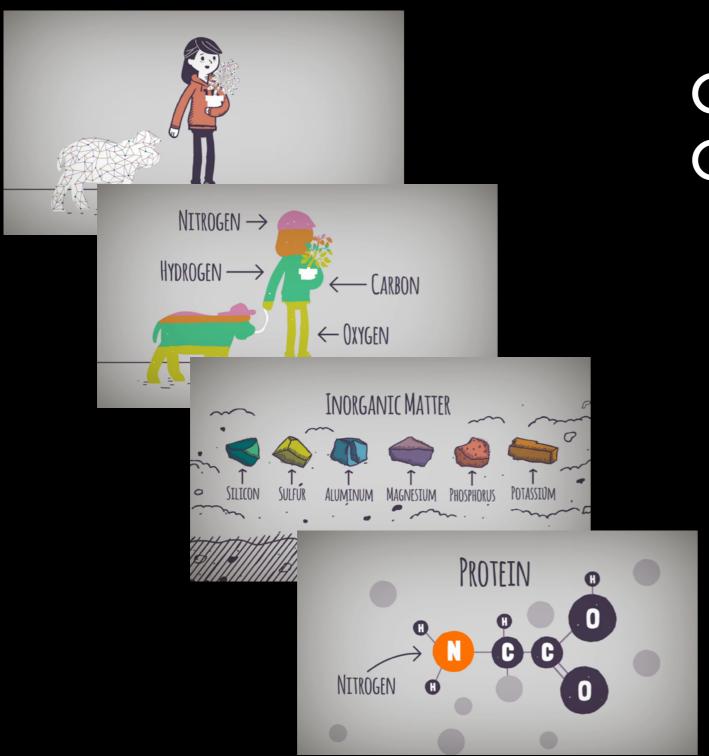
- teach math and language arts
- create online tools for 6th grade
- focus on food safety research

Advancing Adolescent Food Safety Education through Inquiry-Based STEM Instruction and Innovative Media Strategies

Lead PD: Jennifer Richards, University of Tennessee

Reaching Multicultural Audiences





Chemistry Tools for College Students:

- Help undergrad, Ag Science majors understand key chemistry concepts
- Add to existing
 ScienceofAgriculture.org

Raising the Gates Addressing Gaps in Students' Understanding of Math and Chemistry in the Animal and Plant Sciences Lead PD: April Ulery, NMSU

The Power of

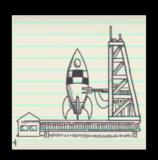
Innovative Media

Work from NMSU's Media Productions & Learning Games Lab

















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