

Dietetics as a pathway to high school graduation

IDOE Next Level Programs of Study (NLPS)

Derek Fischer, MS, RD, LD



Objectives

1. Identify qualifications necessary to allow professionals to transition to teaching
2. Develop skills to discuss complex nutrition principles with teenage students
3. Identify benefits and downsides to the Next Level Programs of Study program

Disclosures



- None



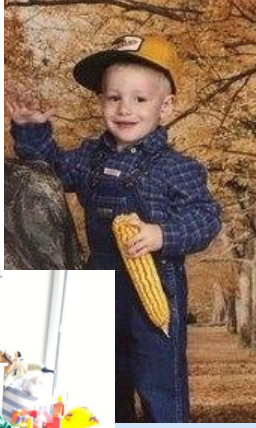
- Grew up in Delphos, OH on a farm
- Spent 4 years in the Marines working as a CBRN defense specialist
- Went to undergrad at Ball State University
- Completed my Masters at Case Western Reserve University Worked in the Case Animal Research Center studying the gut Microbiom
- Conducted Research on Breastfeeding and Donor Breastmilk
- Completed 11 month internship at the Cleveland VA Medical Center
- Teaching at Greenwood Community High School since 2019

Who I Am



Human Gut Microbiome Transplantation in Ileitis Prone Mice: A Tool for the Functional Characterization of the Microbiota in Inflammatory Bowel Disease Patients

Abigail R Basson, RD, LD, PhD, Adrian Gomez-Nguyen, Paola Menghini, PhD, Ludovica F Buttó, PhD, Luca Di Martino, PhD, Natalia Aladyshkina, Abdullah Osme, MD, Alexandria Lasalla, MSc, Derek Fischer, MSc, Jessica C Farfán, PhD, Shoumen



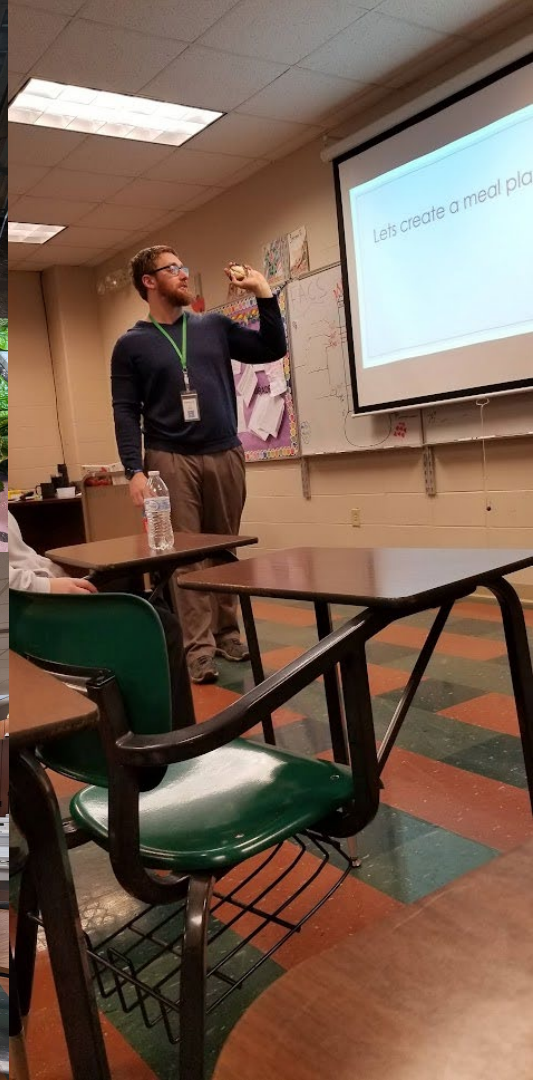


FACS

Family and Consumer Sciences

Classes:

- Principles of Culinary and Hospitality
- Nutrition
- Diet Therapy and Agriculture





Alternative Licensure Pathways

- Advanced Degree
 - Hold a Masters in Subject Area
 - 1 Year of Teaching experience(emergency Licensure
 - Successfully complete Content Area and secondary pedagogy tests
 - 4000 hours of content related job experience
- Career Specialist Permit
 - Bachelor's Degree in content area with minimum 3.0 GPA
 - 5000 hours of content related job experience

Graduation Requirements

Step 1

Credits

Earn credits toward a diploma with designation.

- Core 40 - minimum of 40 credits
- Academic Honors – minimum of 47 credits
- Technical Honors – minimum of 47 credits
- General

Step 2

Learn and Demonstrate Employability Skills:

- Participate a season of a sport
- Participate year of club or activity
- Senior Project
- Hold a job
- Choir / Band
- Journalism

Step 3

Postsecondary-Ready Competencies

(Meet at least one.)

- Honors Diploma
- SAT
- ACT
- ASVAB
- Industry Certification
- Apprenticeship
- CTE Concentrator
 - (C average or higher in at least 2 Concentrator Courses of a pathway)
- AB / IB / Dual Credit
- Locally Created Pathway
- Waiver



ENROLLMENT



EMPLOYMENT



ENLISTMENT & SERVICE



HONORS SEAL

- Complete at least 4 World Language and 6 Social Studies credits
- Complete at least 8 Math credits
 - Algebra I plus Geometry, Algebra II, and Pre-Calculus or any advanced math credits aligned to their course of study
- Complete at least 6 Science credits
 - Biology I plus Chemistry and Physics or any advanced lab science credits aligned to their course of study
- Earn a C or higher in all courses and earn a cumulative B average
- Complete one of the following:
 - Earn 4 credits in AP, IB, or Cambridge courses and take corresponding exams
 - Earn 6 college credits
 - Score a 1250 on the SAT or a 26 on the ACT
 - Earn two of the following:
 - At least 3 college credits
 - 2 credits in AP courses and take corresponding exams
 - 2 credits in IB courses and take corresponding exams
 - 2 credits in Cambridge courses and take corresponding exams

- Complete one of the following:
 - A market-driven credential of value* aligned to a specific occupation
 - 3 courses in a Career and Technology Education (CTE) pathway
 - An approved career preparation experience aligned to Indiana's CSA program, or
 - An approved, locally-created pathway
- Complete 150 hours of work-based learning (may include multiple experiences that are paid, unpaid, on-site, or simulated)
- Demonstrate skill development in Communication, Collaboration, and Work Ethic
- Meet attendance goal

- Complete one of the following:
 - Introduction to Public Service course or approved locally-created equivalent
 - Emphasis on developing an awareness of the physical standards and character required for service
 - One year of JROTC in high school
- Achieve a score of 31 on the ASVAB and complete one of the following:
 - All three components of the Career Exploration Program
 - A career exploration tool approved by IDOE
- Meet attendance goal
- Demonstrate skill development in Communication, Collaboration, and Work Ethic
 - Externally verified through a mentorship experience with current military personnel, veterans, or other public safety professionals

Human Services Pathway

Human Services will offer students an inside look into careers that explore Consumer Services, Counseling and Mental Health, Early Childhood Development and Services, Family and Community Services, Personal Care Services and Entrepreneurial Careers.



Principles of
Human
Services



Relationships
and Emotions



Understanding
Diversity

Nutrition Science Pathway



- Capture the essence of food and our relationship to it.
- Preparing meals in the kitchen
- Safely creating a meal plan for people with chronic diseases.



Principles of
Culinary and
Hospitality

Nutrition

Nutrition Planning
and Therapy

Let's Shift Gears



Grants Received By Students Since 2024

Operation Growing Green: \$5,101.78

Building Beds: \$1,208.64

Feminine Equity: \$1,232.37

Caught-Cha Cash: \$3,600

Kinder-Garden: \$856.12

Shelter and Shine: \$7,986.44

Figy Depot: \$5,000

**Total Raised:
\$24,985.35**



[Forage for Berries](#)
[Start a Farm](#)

[Ask For help](#)
[Go hunting](#)



- Which berry will keep you alive?
- Which will lead to your demise?
- Click on a berry to decide your fate or give up and go back.

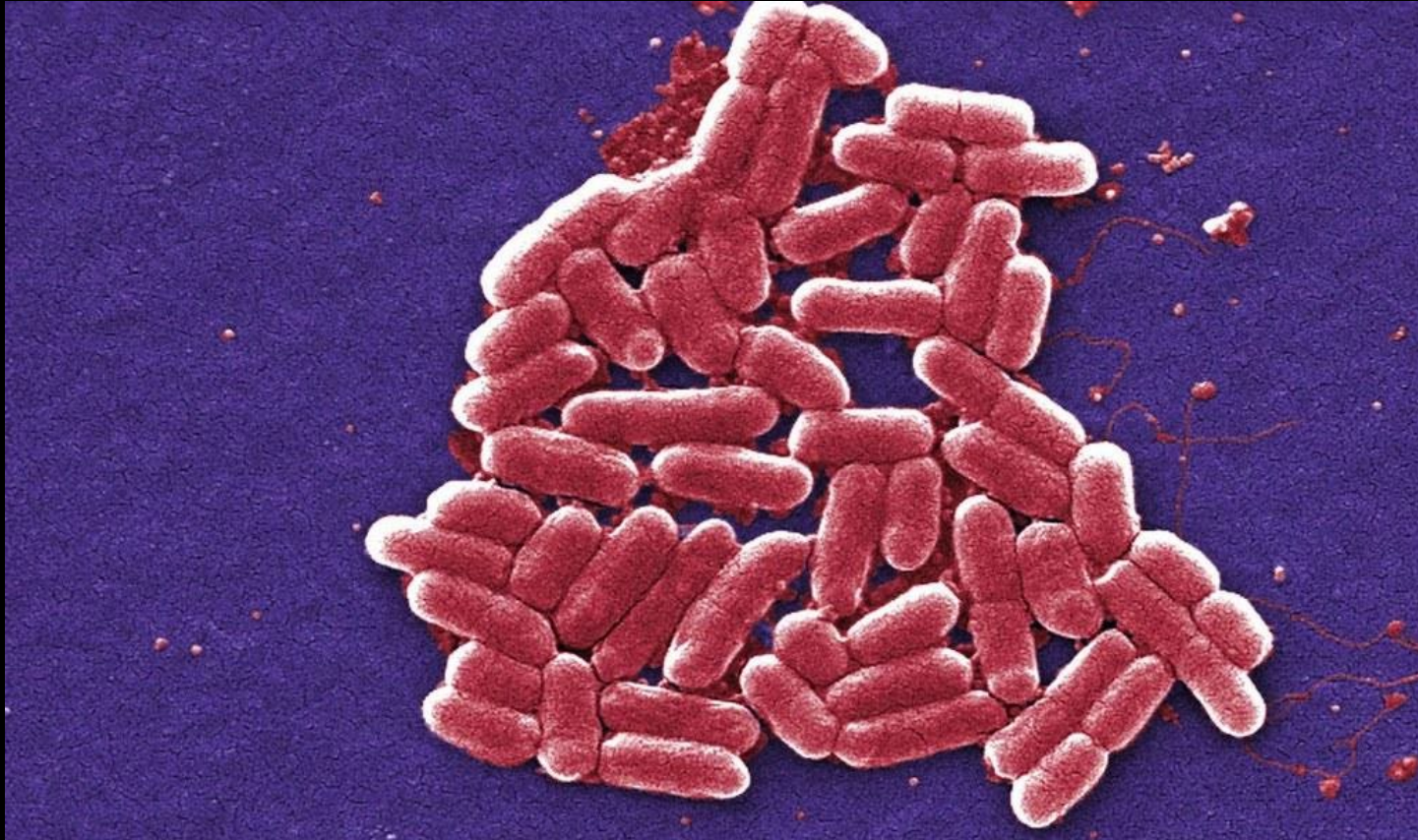


You have died

[ain?](#)



[Go Back and get
more food](#)



You have died of Dysentery.

[Go Back to beginning](#)

What is Cultivated Meat And What Are Its Benefits

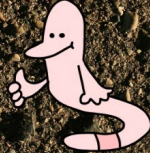
Myzshia Bryant / Cohen Bright



What are worms

Izzy and Ashlynn

Staring Wormly
(worm mascot by izzy)



“Diet” Therapy



Grant Writing and Research Thesis





YOU'RE PREGNANT!!

Oh Noooo!

	Babies ▾						
1	Mom ▾	Parent ▾	Feeding ▾	Food Budget (Weekly) ▾	Eraser Baby ▾	Teen challenge	
13							
14	Jayla	Khloe	agami	Breast...	\$98.10	Tiara	Fitting In and overly confident in own abilities
15	Shelby	Austin	3rown	Some ...	\$313.00	Cactus yellow flower	Weight Issues and poor dental hygiene
16	Haylie	Alfredo		Formula	\$149.74	Cake	Injury Prone High Metabolism
17	Anya	Jayci	n x Philips, Alani magic Philips	Breast...	\$260.00	Treasure and Tiara	Parental problems and bullying
18	Brayden	Glenn	t)	Formula	\$105.00	Hot air balloon	Substance abuse in family and helicopter parents and hung up
19	Kelvin	Ian		Breast...	\$372.72	Treasure	Extreme Depression and Anxiety
20	Eli	Chloe	anta Jane Helen Lila	Breast...	\$59.95	Heart Ballon and	Food Insecurity and Lead exposure
21	Momma Frederic	Tyson	y Jones & Barrett Hunter Jones	Breast...	\$104.30	Castle and Perfume	Lack of Friends and car accident
22	Tyler	Kendall	Snare & lazuli Alexander Snare	Breast...	\$198.00	wreath	Body image issues and Anxiety
23	Aliyah	Keirsten		Formula	\$219.00	Comb	Gender dysphoria and schizophrenia
24	Kiyanna	Anahi	Raptor	Mostly...	\$184.31	Castle	Depression and Binge eating disorder
25	Gabe	Bennett	Tobith	Some ...	\$73.48	Absent	Jail and Anxiety
26							



Colon Cancer



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01

The disease

What it is

02

Commonality

How common it is

03

How it is developed

How someone may get this

04

Symptoms

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Treatment

How to treat this

06

Diet and effect on life

How this can affect someone's life



The background features a light gray gradient with several large, overlapping circles in teal, orange, and dark gray. A thin, orange heartbeat line runs horizontally across the top and bottom of the slide, partially obscured by the circles.

Colon Cancer

The uncontrolled growth of mutated cells in the colon, a part of the large intestine



Stages of Colon Cancer

Stage 0

Most easily cured, cells are found in innermost wall

Stage 1

Cells have spread to the other layers of colon

Stage 2

IIA - Spread through muscle layer

IIB - Penetrates outer layer

IIC - Spreads throughout colon

Stage 3

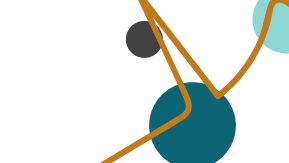
IIIA - Spread to 1-6 lymph nodes
IIIB - Spread to 7+ lymph nodes

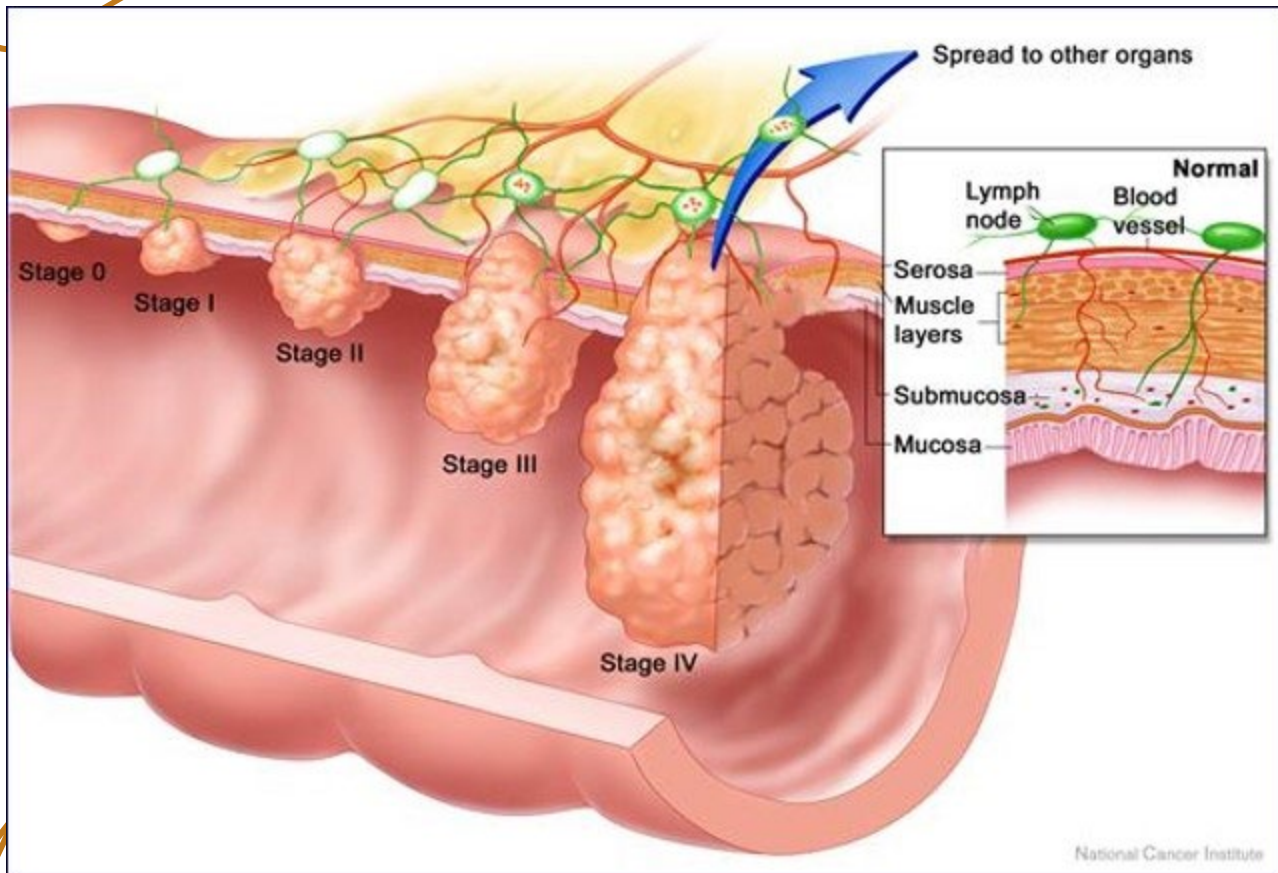
IIIC - Spread to tissue lining abdomen or cells have formed near lymph nodes in nearby tissue

Stage 4

IVA - Spread to an area not near colon
IVB - Spread to multiple areas or organs, possibly far away from colon

IVC - Spread to tissue lining abdomen, possibly other organs as well





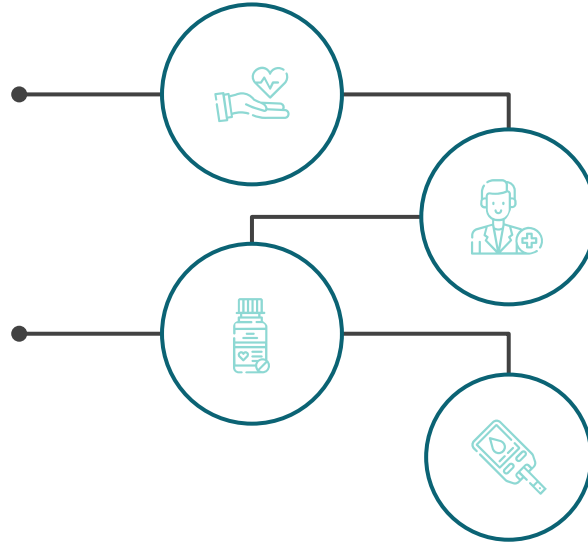


Treatment

Endoscopic Surgery
or Surgery

Targeted therapy

Medicine attacks proteins
in cells



Radiation Therapy
High energy beam to
weaken and kill

Chemotherapy
Kills fast growing cells
Immunotherapy
Strengthens immunsystem



Recommendations



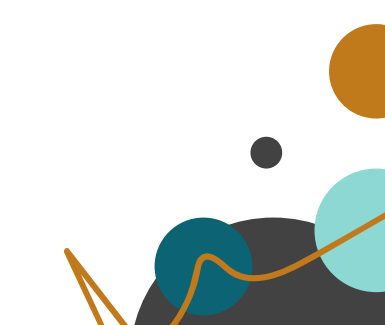
Dietary Recommendations

- Plenty of fruits and veggies
- Not a lot of red and processed meats

Dietary Guidelines

- 18 oz of cooked red and processed meat weekly max
- 2.5 oz daily max

Why Does Someone Follow This Diet?

- Increase chance of recovery
 - Increase quality of life
- 



Treatment Recommendations


Short Term Dietary Recommendations

- Low residue
 - Low fiber foods
 - Raw fruits and vegetables
 - White bread

During Treatment

- Foods taste different
- Heat sensitivity and cold sores in mouth
- Nausea and vomiting
- Unwanted weight loss

Leaving the Treatment Center

- Ask to talk to a nutritionist
 - Ask for a list of foods to eat and avoid
 - Eat small meals and let people cook for you
 - Drink water often
 - Eat your water
- 



How this affects my person

Eating habits

- Sea food
- Poultry
- Most grilled, not deep fried
- More fruit and vegetables and their skin
- More dairy

Daily life

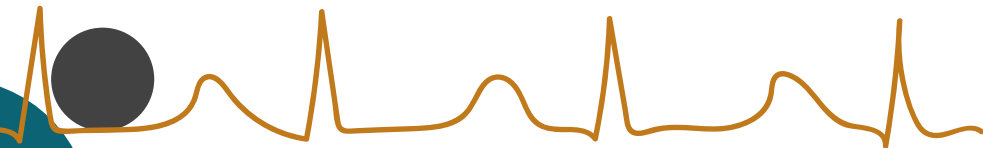
- Continue to exercise often
- Treatments will make it harder to exercise
- Will likely cook more and swap ingredients or meals
- Pack lunches more
- Will likely lose weight



Colon Cancer Review

How will this impact my person's daily life?

- She will have to eat more lean foods, fruits, and vegetables
- Helps that she's very active
- Will cause her to lose weight





“A wise leader must deal with reality and state what (they) intend, and what level of commitment (they) are willing to invest in achieving that end. (they) then have to trust that (their) subordinates know how to carry that out. Wise leadership requires collaboration; otherwise it will lead to failure.” - General James Mattis

Steps to Connect

- Establish who you are. (Think of a quilt).
- Create an environment where they can be open.
- Don't be afraid to admit mistakes.
- Acknowledge that there will be unknowable things.
- Talk about food



Let's Debate

This will be our most intense question...

Rules

1. Take the question as seriously as possible
2. Don't be afraid to shout
3. You can't say "I don't know"
4. Stick to your guns
5. Be honest and intense.
6. No researching

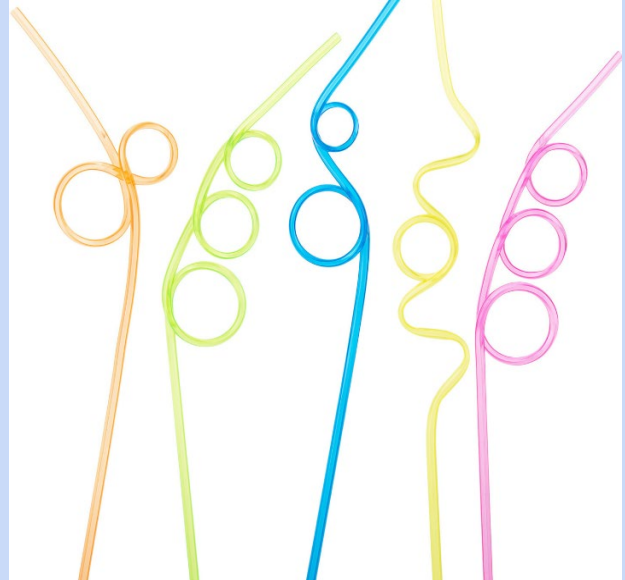


Today we are going to answer a question that holds back scientists around the world and across multiple disciplines.



**Close your eyes and raise a finger in the
air to answer:**

Does a straw have 1 or 2 holes?









Thank You

Contact Information

Derek Fischer MS RD LD
dfischer@gws.k12.in.us

References

- Taylor, J. R. (1995). Linguistic categorization: Prototypes in linguistic theory. Clarendon Pr.
- Career and Technical Education (CTE). (2024, December 16). Career Pathways / programs of study. <https://www.in.gov/che/cte/career-pathways-programs-of-study/>
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Some Fun Stuff

