INTRODUCING



DEVELOPED AT THE OHSU BOB & CHARLEE

MOORE INSTITUTE FOR NUTRITION & WELLNESS

OHSU



Today's Presentation

- Early-life nutrition impacts chronic disease risk
- Elements of Effective Nutrition Education
- Key Features of Nutrition In A Box (NIABx)
- A Look Inside the Box
- Guided Tour of 4 Selected Stations





Goals of the OHSU Moore Institute for Nutrition and Wellness

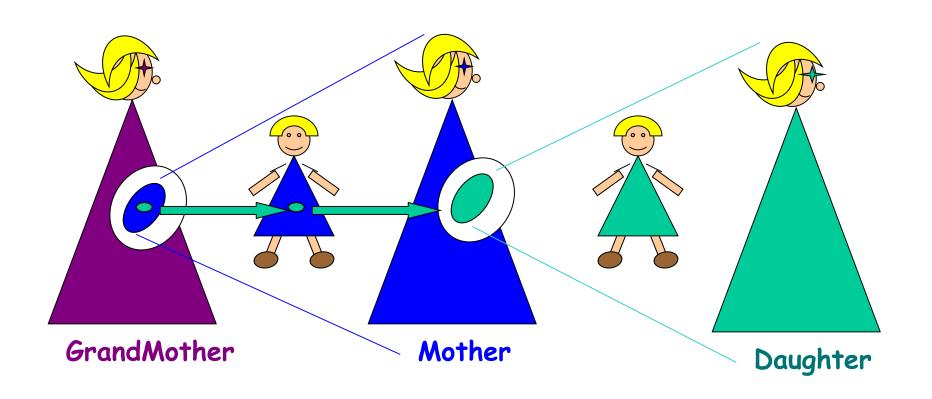
- to reduce the prevalence of chronic diseases across the lifespan
- in current and future generations
- by promoting healthy, nutrient-rich diets based on whole foods

Key areas

COMMUNITY OUTREACH
RESEARCH
CLINICAL CARE
PUBLIC POLICY ADVOCACY

Health of Tomorrow's Moms & Kids Depends on Nutrition of Today's Moms & Kids

Nutritional Exposures of the Egg are Trans-Generational





Key Features of NIABx

Lead Curriculum Writer

Connie J Liakos (Evers)

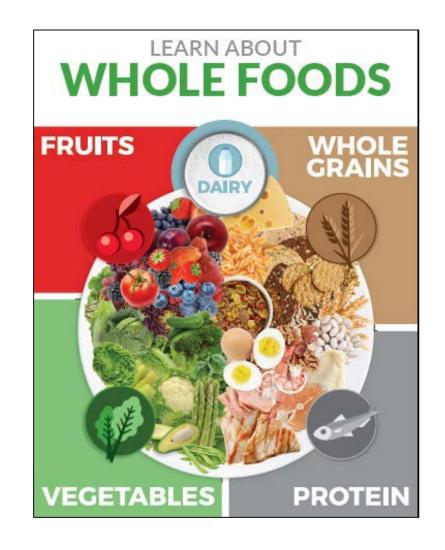
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Behavior Based: Children have the opportunity to set personal goals, take action steps, and practice making healthy choices

Fun/Engaging: Youth are interested and actively involved in hands-on learning activities.

Integrated: Activities and strategies are integrated across the curriculum and also with the home and community environments.

Source: How to Teach Nutrition to Kids, Connie Liakos Evers, ©2012



What is NIABx?

- Self-contained enrichment curriculum
- Designed for youth ages 10-14 (Gr 4th-8th)
- Modular: each of 12 stations stands alone
- ❖ Modeled on Oregon AHEC "In a Box" series
- Non-profit program
 - all written materials/graphics are free online**
 - Box purchase reflects only cost of contents (\$400 + shipping)
 - ** Website: "Better the Future" www.ohsu.edu/nutrition-in-a-box



Enrichment Curriculum for Middle Schoolers

LESSON 1. My Plate Power Foods

Station 1: Grains Fuel your Body

Station 2: Vary your Vegetables

Station 3: Focus on Fruits









LESSON 2. My Plate Build Foods

Station 1: Power up with Protein Station 2: Pass the Milk, Yogurt,

and Cheese, please

LESSON 3. Winning the Balance Game

Station 1: Focus on Fats

Station 2: All these Drinks: what do you think?

Station 3: Be an Ad Detective!

Station 4: Are you balancing your portions?





LESSON 4. Taking Charge of your Choices

Station 1: Fitting in Family Meals

Station 2: Snacking Success

Station 3: Food in a Box Café – Menu Board



NIABx Objectives

- Create awareness of proper nutrition via use of the MyPlate Food Guide.
- Provide hands-on games, manipulatives and interactive activities that engage students
- ❖ Describe how media, cultural and family influences can encourage healthy eating practices at home and school.
- Explain the importance of variety and moderation in food selection and consumption.
- Track progress toward achieving short-term personal goals related to variety and moderation within healthy eating.





NIABx is Research & Standards Based

- Based on Dietary Guidelines for Americans 2015-20 and the MyPlate Food Guide
- Aligns with the current Oregon Health Education Standards and Performance Indicators (Dec 2016)
- Has been MAPPED to Oregon Health Education Standards and Performance Indicators
- Aligns with Next Generation Science Standards (NGSS)







TWO NEW PARTNERS WILL ENHANCE NIABX

SNAP-ED/OSU

- Evaluation of NIABx as an "emerging curriculum"
- Move toward listing in official suite of approved curricula for use in SNAP-ED linked schools

Oregon After School Kids (OregonASK)

- Develop a Train-the-Trainer program for NIABx
- Assist in training program delivery in after-school settings in Oregon





Lesson Materials Included

Teachers Guide: Covers All lessons/stations

For Each Lesson

- Setup "Map"
- Lesson Plan
- Background info
- Teaching Tips
- Sample dialogue
- Resources
- Glossary

For Each Station

- Posters
- Table Tents (What to do at station)
- Student Activity Sheets (with goal setting/action steps)
- Lesson Extension/Homework Sheets
- Answer Key
- Manipulatives (in the Box)



Food Photo Cards



 Used in a variety of activities in several lessons

Options for student-created games

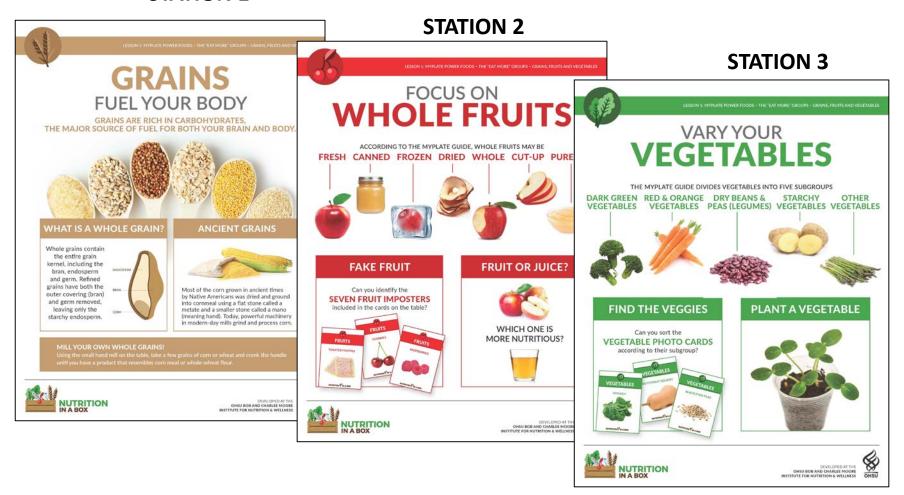


MUTRITION PIN A BOX

Lesson 1: MyPlate Power Foods



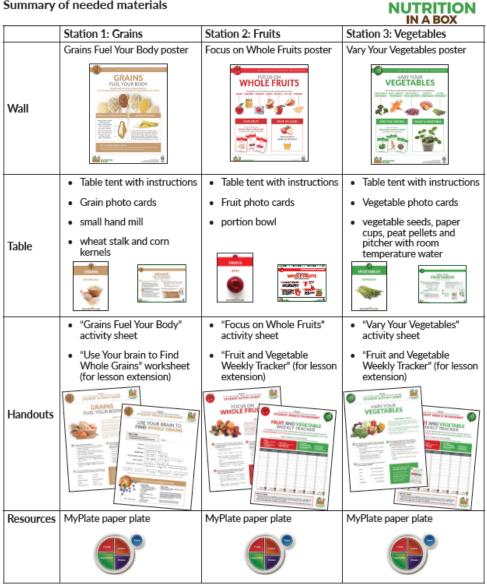
STATION 1



Lesson Plan 1: MyPlate Power Foods

The "eat more" groups - grains, fruits and vegetables

Summary of needed materials



Lesson 1 Setup Map

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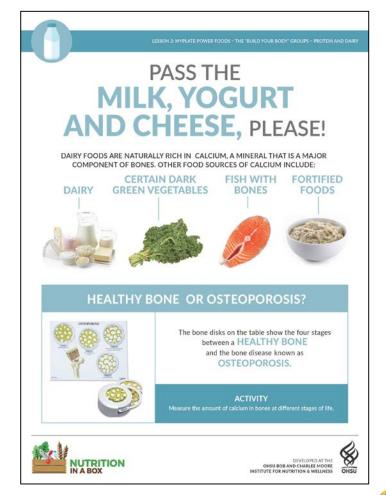


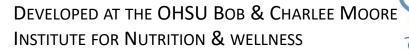
Lesson 2: MyPlate Build Foods

STATION 1

POWER UP WITH PROTEIN PROTEIN IS NEEDED FOR GROWTH, DEVELOPMENT, BUILDING AND REPAIR OF BODY CELLS AND TISSUES. KEY NUTRIENTS SUCH AS IRON, ZINC AND VITAMIN B12 ARE FOUND IN THE PROTEIN GROUP. VITAMIN B12 IRON ZINC **FIND THE PROTEIN** How much do you know about protein? Can you sort the PROTEIN PHOTO CARDS into plant and animal sources? More on Building a Strong You DEVELOPED AT THE OHSU BOB AND CHARLEE MOORE NUTRITION INSTITUTE FOR NUTRITION & WELLNESS

STATION 2





Lesson Plan 2: MyPlate Build Foods The "Build Your Body" groups - protein and dairy

Summary of needed materials

	Station 1: Protein	Station 2: Dairy			
	"Power up With Protein" poster	"Pass the Milk, Yogurt, Cheese, Please!" poster			
Wall	See April 1992	**Statistical Statistics of Control Statisti			
	Table tent with instructions	Table tent with instructions			
Table	Protein photo cards	Dairy photo cards			
	"Protein Pursuit Trivia" flip deck	Materials to measure bone calcium at different ages and stages: white cornmeal, measuring cups, bags, marker)			
	PROTEIN PROTEI	Osteoporosis disk set Set opporosis disk set			
	"Power up With Protein" activity sheet	"Pass the Milk, Yogurt, Cheese, Please!" activity sheet			
	"The Protein Scene" worksheet (for lesson extension)	"Are you a BBB (Best Bone Builder)?" worksheet (for			
Handouts	PONTE LET WITH PROTEIN THE PROTEIN SCHOOL TH	lesson extension) All Content of the Content of			
Resources	MyPlate paper plate	MyPlate paper plate			

Lesson 2 Setup Map

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Lesson 3: Winning the Balance Game

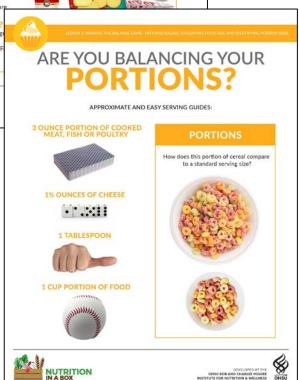
STATION 1





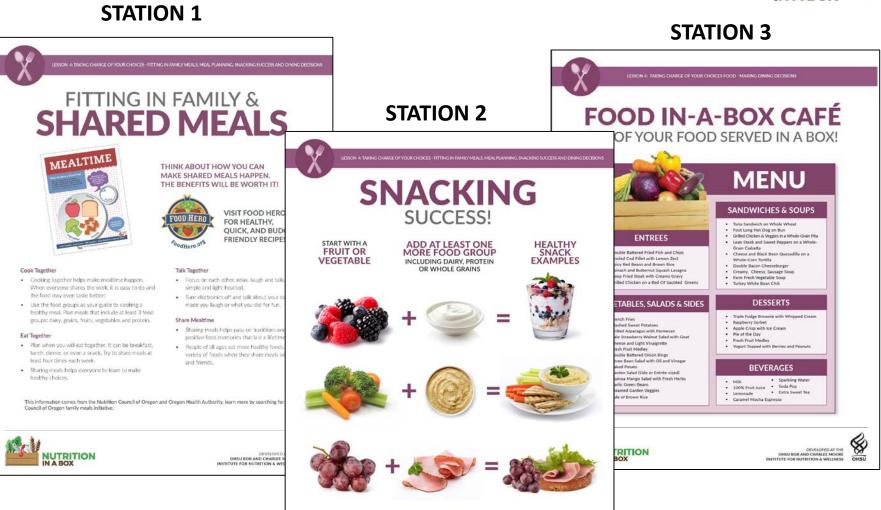


STATION 2



Lesson 4: Taking Charge of your Choices





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Lesson 4 example -In A Box Cafe







- French Fries
- Mashed Sweet Potatoes
- Grilled Asparagus with Parmesan
 Kale Strawberry Walnut Salad with G
- Cheese and Light Vinaigrette
- Fresh Fruit Medley
- Double Battered Onion Rings
 Three Bean Salad with Oil and Vinega
- Baked Potato
 Garden Salad (Side or Entrée-sized)
- Quinoa Mango Salad with Fresh Heri
- Garlic Green Beans
 Steamed Garden Veggies
- Side of Brown Rice





LESSON 4
FOOD IN-A-BOX CAFÉ ALL OF YOUR FOOD SERVED IN A BOX!

STUDENT ACTIVITY SHEET



MAKING CHOICES AT THE FOOD IN-A-BOX CAFÉ

WELCOME TO THE FOOD IN-A-BOX CAFÉ! USE THE MENU TO ANSWER THE FOLLOWING OUESTIONS.

	2.
	3.
	the state of the s
-	List at least two foods on the menu that are high in unhealthy fats.
	1
	2
3.	
3.	Desserts and beverages often contain a lot of added sugars.
3.	
3.	added sugars.
3.	added sugars. a. List two examples of healthy beverages from the menu.
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3.	added sugars. a. List two examples of healthy beverages from the menu. 1. 2. b. List two examples of nutrient-dense dessert choices from the menu.
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3.	added sugars. a. List two examples of healthy beverages from the menu. 1. 2. b. List two examples of nutrient-dense dessert choices from the menu.
3.	added sugars. a. List two examples of healthy beverages from the menu. 1. 2. b. List two examples of nutrient-dense dessert choices from the menu. 1.

 Give two examples of menu items that are cooked or prepared in a healthy way.

1. Name three foods from the menu that contain

whole grains.

- The menu doesn't indicate the size of portions. Pretend that you are served a very large portion of one of the menu items. Can you describe a good strategy to avoid overeating?
- 6. If you aren't sure how the food is made or if it has ingredients that you are concerned about, what are some ways that you can find out more?
- Sometimes the best balanced meal is one that you create from side dishes. Plan a balanced menu composed of side dishes. Your menu should have at least 4 of the 5 food groups.

2	
3.	
4.	
-	

What would you choose to eat and drink from the Food In-A-Box Cafe?



LESSON 4 FOOD IN-A-BOX CAFÉ ALL OF YOUR FOOD SERVED IN A BOX! STUDENT WEEKLY WORKSHEET



NOT SO FAST . . . MAKE A GAME PLAN FOR EATING OUT

WAIT! Before the server takes your order, think first! Planning ahead is the key to choosing healthier meals at fast food restaurants. The nutrition advice in the box below is intended for the typical 11 to 14 year-old and will help you plan a more balanced meal. See if you can plan a meal that meets the following calorie, fat, and food group guidelines. An example is provided.

Menu Planning Guidelines (per meal):

- 600-800 total calories
- 20-25 grams of fat
- · At least four different food groups

KEEP THESE POINTS IN MIND:

- You can find nutrition information for most fast food restaurants online. Just type the restaurant name in a search engine with the word "nutrition"
- If you choose a meal that is high in fat or calories, be sure to balance your food choices during the rest of the day, it can sometimes be challenging to find fruits, vegetables and milk at fatt food restaurants so include those foods at other medicand cracks during the day.
- Think about your drink choice! Avoid a load a sugar and save money by asking for water.

RESTAURANT: Burrito Bowl

FOOD ITEM	CALORIES	FAT GRAMS	FOOD GROUPS
Brown Rice with oil - 1 cup + 1 tsp. oil	240	7	2 (whole) grains
Black Beans - % cup	120	0	2 protein (or count as vegetable)
Shredded chicken - ½ cup	105	2	2 protein
Lettuce and salsa - (1 cup lettuce, % cup salsa)	35	0	1 cup vegetable
Cheese, grated - % cup	150	12	1 dairy
TOTALS	650	21	4 different food groups

RESTAURANT:

FOOD ITEM	CALORIES	FAT GRAMS	FOOD GROUPS

HEALTHY NACHOS Try out this "fast food at home" recipe on your friends!

- Set out a large bowl of whole com tortilla chips. Try a mixture of blue and yellow com.
 Provide rumal bowls of topoings such as refried or black beam, shredded chicken or pork, grated cheese, com, grated suschini, avocado chunks, olives, chopped romaine lettuce, baby spinach leaves, diced tomatones, salas, and light sour cream. Add your own identifications.
- Let everyone assemble their own nacho plate.



Guided Tour of Four NIABX Stations



4 Tables: 1 Station per Table

4 Groups:

Group 1 = Row 1 Start at Table 1

Group 2 = Row 2 Start at Table 2

Group 3 = Row 3 Start at Table 3

Group 4 = Row 4 Start at Table 4

TABLE LAYOUT

Eg LESSON 1: Station 2

Lesson 1 Tchr Guide Activity Sheets Homework Sheets Answer Sheets

Poster Table Tent Hands-on items Lesson 1 Tchr Guide Activity Sheets Homework Sheets Answer Sheets

- Will announce time for table change at 10 min intervals
- For general questions, see Susan Bagby at podium



Website: "Better the Future"

www.ohsu.edu/nutrition-in-a-box

