



# **Nutrition and Student's Academic Performance**

**February 6, 2018** 









# PUBLIC HEALTH IN STITUTES CENTER FOR WELLNESS AND NUTRITION

### **Objectives**

☐ Learn the latest science-based nutrition recommendations for Americans.

Utilize MyPlate messaging, tools and resources to plan nutrition education for students.

☐ Practice tailored approaches to engage different audiences in nutrition education classes.





### Agenda

- ☐ Welcome, Introductions, & Ice-Breaker
- ☐ Setting the Foundation
- ☐ MyPlate: Background and Walkthrough
- Energizer
- ☐ Let's Practice
- ☐ Lunch
- Energizer
- ☐ What Next: Action Planning & Share Out
- ☐ Reflection
- ☐ Evaluation & Closing





### Welcome







### **Presenters**



**Montserrat Papias** 



Jesse Tedrick



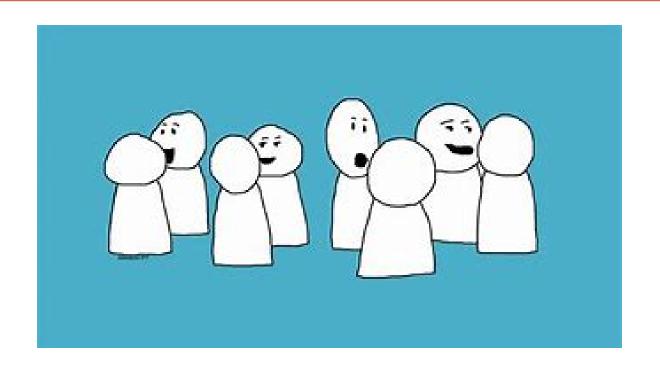
Katherine Hawksworth





### Ice-Breaker: I Like People Who...





## Name | School | District





### **Group Agreements**





- WHAT HAPPENS IN GROUP, STATS IN GROUP.
- BE RESPECTFUL OF GROUP MEMBERS.
- ALWAYS TRY YOUR BEST. PARTICIPATE!



### **Setting the Foundation**



Dietary Guidelines for Americans

Federal and State Nutrition Standards

Local School Wellness Policy

Health and Academic Success





### **Dietary Guidelines for Americans**



"About half of all American adults—117 million individuals—have one or more preventable chronic diseases, many of which are related to poor eating and physical activity patterns."



### Dietary Guideline for Americans: Major Messages



 The U.S. population, across almost every age and sex group, consumes eating patterns that are:

 low in vegetables, fruits, whole grains, dairy, seafood, and oil



### Dietary Guideline for Americans: Major Messages



high in refined grains, added sugars,
 saturated fats, sodium, and

—for some age-sex groups, high in the meats, poultry, and eggs subgroup.





### Dietary Guideline for Americans: Major Messages

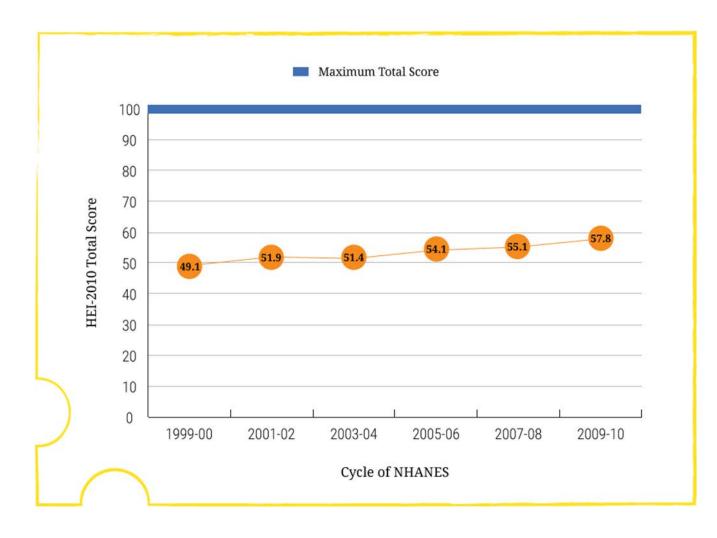


 Young children and older Americans generally are closer to the recommendations than are adolescents and young adults.



### Adherence to the 2010 Dietary Guidelines

Measured by Average Total Healthy Eating Index-2010 (HEI-2010) Scores of the U.S. Population Ages 2 Years and Older (Figure I-1)



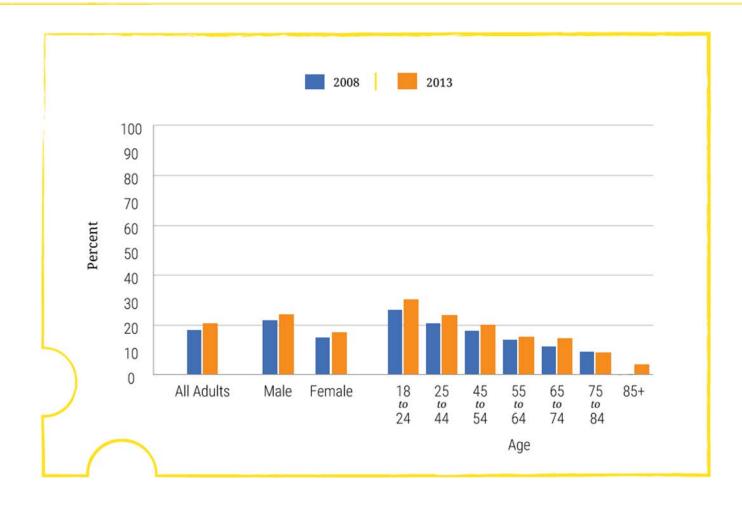
### Data Source:

Analyses of What We Eat in America, National Health and Nutrition Examination Survey (NHANES) data from 1999-2000 through 2009-2010.

Note: HEI-2010 total scores are out of 100 possible points. A score of 100 indicates that recommendations on average were met or exceeded. A higher total score indicates a higher quality diet.

### Adherence to the *Physical Activity Guidelines*

Percentage of Adults Meeting the Aerobic and Muscle-Strengthening Recommendations (Figure I-2)



### Data Source:

Analyses of the National Health Interview Survey, 2008 and 2013.

Healthy People 2020 PA-2.4. Increase the proportion of adults who meet the objectives for aerobic physical activity and for musclestrengthening activity. Washington, DC: U.S. Department of Health and Human Services, Office of Disease Prevention and Health Promotion. June 3, 2015. Available http://www.healthypeople. gov/2020/datasearch/Search-the-Data?nid=5072.



### DGA: What it is/isn't



 Provide evidence-based recommendations about the components of a healthy and nutritionally adequate diet

Focus on disease prevention rather than disease treatment

 Inform Federal food, nutrition, and health policies and programs



2015-2020 EIGHTH EDITION





### **DGA: Guidelines**

- 1. Follow a healthy eating pattern across the lifespan.
- 2. Focus on variety, nutrient density, and amount.
- 3. Limit calories from added sugars and saturated fats and reduce sodium intake.
- 4. Shift to healthier food and beverage choices.
- 5. Support healthy eating patterns for all.





### **DGA: Contextual Factors & Meal Patterns**



- Food Access
- Household Food Insecurity
- Acculturation





### **DGA: Strategies**



HOME

**SCHOOL** 

WORKSITE

COMMUNITY

**FOOD RETAIL** 

Example:







School Meals

 Competitive Foods and Beverages







### **Lunch Meal Pattern**

- Food Based Menu Planning
- Grade Groups
  - K-5, 6-8, 9-12
- 5 Components
  - Fruit, Vegetables, Grains, Meat/Meat Alternate, Milk







### Fruit Component—Lunch

Grades K-5	Grades 6-8	Grades 9-12
½ cup daily	½ cup daily	1 cup daily

- Full-strength fruit juice
- No more than half of the weekly fruit offering in the form of juice
- Minimum creditable serving 1/8 cup
- One quarter-cup dried fruit counts as 1/2 cup fruit



### Vegetable Component—Lunch

	Grades K-5	Grades 6-8	Grades 9-12
	3/4 cup per day	3/4 cup per day	1 cup per day
Vegetable Subgroups Weekly Requirement			
Dark Green	½ cup	½ cup	½ cup
Red/Orange	¾ cup	3/4 cup	1 ¼ cup
Bean, Peas (Legumes)	½ cup	½ cup	½ cup
Starchy	½ cup	½ cup	½ cup
Other	½ cup	½ cup	<sup>3</sup> / <sub>4</sub> cup
Addtl Vegetables to Reach Total	1 cup	1 cup	1 ½ cup



### Grains Component—Lunch

Grades K-5	Grades 6-8	Grades 9-12
8-9 oz eq. /week	8-10 oz eq. /week	10-12 oz eq. /week
1 per day (min.)	1 per day (min.)	2 per day (min.)

Note: The weekly range serves as a guide in planning menus and meeting dietary specifications.

- Limit grain-based dessert 2 oz eq per week
- Grains less than .25 oz eq do not count

### Grains Component—Lunch

- All grains offered at lunch must be whole grain-rich
- Definition whole grain-rich at least half the grains need to be whole grains, and the other half of the grains need to be enriched
- Whole grain first ingredient



### Meat/Meat Alternate Component—Lunch

Grades K-5 Grades 6-8 Grades 9-12

8-10 oz. /wk. 9-10 oz. /wk. 10-12 oz. /wk. 1 ounce daily 2 ounces daily

Note: The weekly range serves as a guide to plan menus and meet dietary specifications.

### Meat/Meat Alternate Component—Lunch

### Ounce Equivalents Meat Alternate

- 4 oz or ½ cup yogurt
- 2 Tbsp nut butters
- 1 oz nuts and seeds
- 1 oz cheese
- ½ cup cooked dried beans
- ½ large egg

### Milk Component—Lunch

Grades K-5	Grades 6-8	Grades 9-12
1 cup daily	1 cup daily	1 cup daily

### Fluid milk –

- Low-fat (1% milk fat , unflavored)
- Fat-free (unflavored or flavored).

At least two types of milk
Variety of fat levels or
Variety of flavored and unflavored



### **Meal Service**

Traditional	Offer versus Serve
<ul> <li>Serve all menu items</li> <li>No choice to decline</li> </ul>	<ul> <li>Must offer 5 required components:</li> <li>Meat/Meat Alternate,</li> <li>Fruit, Vegetable,</li> <li>Grains, and</li> <li>Fluid Milk</li> <li>Students</li> <li>Can take all 5 component</li> <li>Must take at least 3 components</li> <li>Must take at least ½ cup</li> </ul>
	fruit/vegetable

### **Competitive Food**

### A food or beverage:

- Sold
- To Students
- On School Campus
- During the School Day
- Outside of the Federal Reimbursable Meal



### **Competitive Food**



Federal Level: Smart Snacks in Schools

State Level: California Nutrition Standards



### **Smart Snacks in Schools**





Nutrient	Snack	Entrée
Calories	200 calories or	350 calories or
	less	less
Sodium	200 mg or less	480 mg or less
Total Fat	35% of calories or	35% of calories
	less	or less
Saturated Fat	Less than 10% of	Less than 10% of
	calories	calories
<b>Trans Fat</b>	0 g	0 g
Sugar	35% by weight or	35% by weight or
	less	less









Nutrient	Snack	Entrée
Calories	Elem ≤ 200 cal Mid/High ≤ 200 cal	≤ 350 cal
Sodium	≤ 230 mg	≤ 480 mg
<b>Total Fat</b>	≤ 35% cal	≤ 35% cal
Saturated Fat	< 10% cal	< 10% cal
Trans Fat	< 0.5 g/svg	< 0.5 g/svg
Sugar	≤ 35% by weight	≤ 35% by weight



### **Competitive Food Examples**



- Fundraisers
- Vending Machines
- Marketing and Advertising

Classroom
 Parties & Rewards







### Local School Wellness Policy (LSWP)

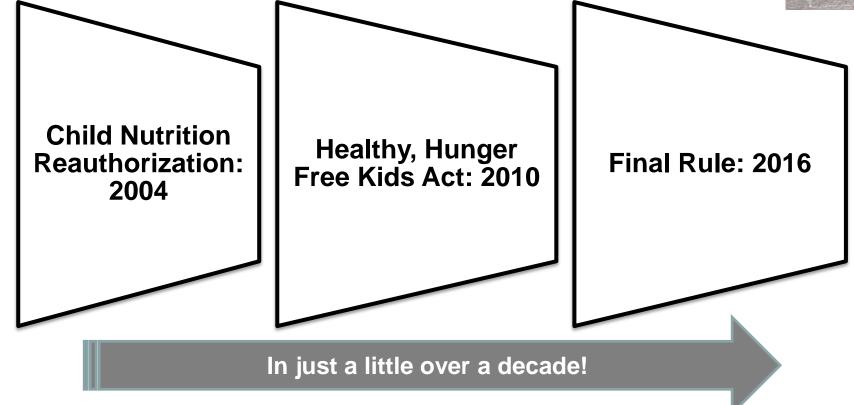


Local school wellness policies are designed to promote student health and reduce childhood obesity.



### The Evolution of Wellness Policies





### LSWP Final Rule



### **Required by 6/30/17**

- LSWP Leadership
- Public Involvement and Notification
- Specific, Measurable Goals for Student Wellness
- Nutrition Standards for All Foods on Campus
- Policies for Food and Beverage Marketing
- Implementation, Assessment, and Updates







### **Health and Academics**

- Schools are one of the most efficient settings to address the health of children and youth.
- Integrating health and wellness more deeply into the day-to-day life of schools and students represents an untapped tool for raising academic achievement and improving learning.
- A comprehensive framework addressing student health and learning is needed to ensure a whole child approach to education.



# Link: Health and Academic Achievement

# **Academic performance**



Class grades

Standardized tests

Graduation rates





# Link: Health and Academic Achievement

### **Education behavior**



Attendance

Drop out rates

Behavioral problems at school





# Link: Health and Academic Achievement

# Students' cognitive skills and attitudes



Concentration

Memory

Mood





# **Creating Healthy Students**

Healthy eating and physical activity are linked with:





- Academic Success
- Health and Well-being



- Risk for Obesity
- Risk for Chronic Conditions (e.g., osteoarthritis)
- Risk for Chronic Diseases (e.g., Type 2 diabetes)





# CSH -> Whole School, Community, Child







# It Takes A Village









# We're All In This Together

#### QUESTION:

Do health and education agencies in the United States share responsibility for academic achievement and health?

#### **ANSWER:**

An undeniable "yes"



"With this persuasive evidence about the relationship between health-risk behaviors and academic achievement, it is imperative that leaders in education and health act together to make wise investments in our nations school-age youth..."



http://www.chronicdisease.org/?page=SchoolHealthPubs&hhSearchTerms=%22do+health+and+education+agencies%22



### We're All In This Together

# Health-Risk Behaviors and Academic Achievement

Journal of Adolescent Health, April 2013

Inadequate Physical
Activity and Inadequate
Nutrition are inversely
linked to student academic
achievement





HEALTH-RISK BEHAVIORS	NUMBER OF STUDIES	LONGITUDINAL/ CROSS- SECTIONAL	MEASURES USED FOR ACADEMIC ACHIEVEMENT	STUDIES REPORTING AN INVERSE ASSOCIATION BETWEEN HEALTH-RISK BEHAVIORS AND ACADEMIC ACHIEVEMENT
Violence- Related Behaviors	32*	14* Longitudinal 19* Cross-Sectional Range of length of longitudinal studies 1 year to 10 years	GPA, grades, standardized test scores, grade-level retention, teacher rated educational engagement, educational aspirations, and/or educational attainment	31 of 32  The only study that did not report an inverse association between academic achievement and being a victim of violence did, however, report an association with subsequent poor school attendance.
Tobacco Use	28	10 Longitudinal 18 Cross-Sectional Range of length of longitudinal studies 10 months to 17 years	GPA, grades, standardized test scores, grade-level referition, teacher rated educational engagement, academic stream in high school, and/or college intentions	28 of 28 All the studies reported an inverse relationship between use of tobacco (including smokeless tobacco) and academic achievement.
Alcohol and Other Drug Use (AOD)	44	21 Longitudinal 23 Cross-Sectional Range of length of longitudinal studies 2 years to 23 years	GPA, grades, standardized test scores, high school class rank, academic stream in high school, grade-level retention, teacher rated classroom adjustment, on-time/late high school graduation, high school graduation or GED, college plans, college entry and/or attainment of a college degree	43 of 44  A consistent finding of all except one of the 45 studies was an inverse association between academic achievement and either binge diriking diriking to get drunk, using inhalants, marjuana, other ilicit drugs and/or misusing prescription medications, in studies that differentiated alcohol use from binge diriking and diriking to get drunk, the inverse association was reported only for binge drinking and drinking to get drunk.
Sexual Risk Behaviors	22	12 Longitudinal 10 Cross-sectional Range of length of longitudinal studies 1 month to 11 years	GPA, grades, standardized test scores, grade level retention, class rank, high school graduation, plans for future schooling, years of school completed, school involvement, initiating college, and/or attending college.	22 of 22  All of the 10 studies that collected data about age of sexual debut reported that earlier sexual debut was inversely correlated with grades and also with years of education completed. Risky sexual behavior (e.g. multiple sexual partners and unprotected sexual intercourse) was also inversely correlated with academic achievement.
Inadequate Physical Activity	13	7 Longitudinal 6 Cross-Sectional Range of length of longitudinal studies 3 months to 10 years	GPA, grades, standardized test scores, self-reported chances of attending and/ or graduating from college	9 of 13  Time spent in physical education class during the instructional day did not result in lower grades or lower standardized test scores. All studies that analyzed data about firme participating in Modera and Vigorous Physical Activity (MVPA) reported a positive association with academic achievement. Studies about participation in competitive athletic and academic achievement had mixed results.
Inadequate Nutrition	9	4 Longitudinal 5 Cross-Sectional Range of length of longitudinal studies 4 months to 10 years	GPA, grades, standardized test scores, and/or school attendance and tardiness	9 of 9 Participating in school breakfast or lunch programs was associated with improvement in grades, standardized test scores and school attendance. After adding specific nutrients (fruits, vegetables and dairy products) missing from students' diets, their academic performance improved.
TOTAL	148**	1 month - 23 years	96 6% of the studies re	ported statistically significant inverse relationships -risk behaviors and academic achievement.



### **Nutrition and Academics**

# Inadequate nutrition is a health-risk behavior associated with poor academic achievement:

- Participating in school breakfast or lunch programs was associated with improvement in grades, standardized test scores and school attendance.
- After adding specific nutrients\* missing from students' diets,
  - academic performance improved.
  - \*Fruits, Vegetables, Dairy products

http://www.chronicdisease.org/?page=SchoolHealthPubs&hhSearchTerms=%22do+health+and+education+agencies%22



# Healthy Eating and Academic Achievement

Dietary Behavior/Issue	Related Academic Achievement Outcomes	
Participation in the School Breakfast Program (SBP)	<ul> <li>Increased academic grades and standardized test scores</li> <li>Reduced absenteeism</li> <li>Improved cognitive performance</li> </ul>	
Skipping breakfast	Decreased cognitive performance	
Lack of adequate consumption of specific foods (fruits, veg, dairy)	• Lower grades	
Deficits in specific nutrients	<ul><li>Lower grades</li><li>Higher rates of absenteeism and tardiness</li></ul>	
Insufficient food intake	<ul> <li>Lower grades</li> <li>Higher rates of absenteeism</li> <li>Repeating a grade</li> <li>Inability to focus</li> </ul>	



### **Healthier Students Are Better Learners**



"No matter how well teachers are prepared to teach, no matter what accountability measures are put in place, no matter what governing structures are established for schools, educational progress will be profoundly limited

if students are not motivated and able to learn."

- Charles Basch



# **Energizer**





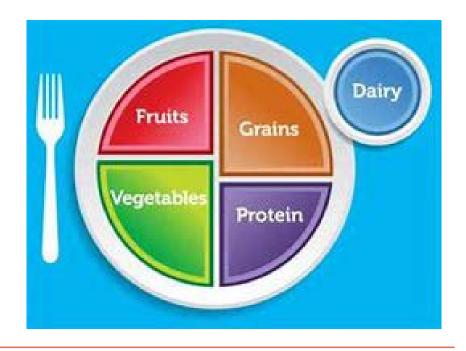
"Are you fizz Ed?"



# MyPlate Background and Walkthrough

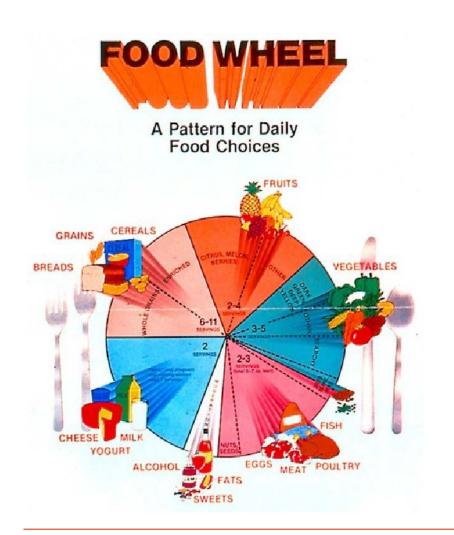


- History
- Website
- Individual
- Classroom
- School
- District
- Resources

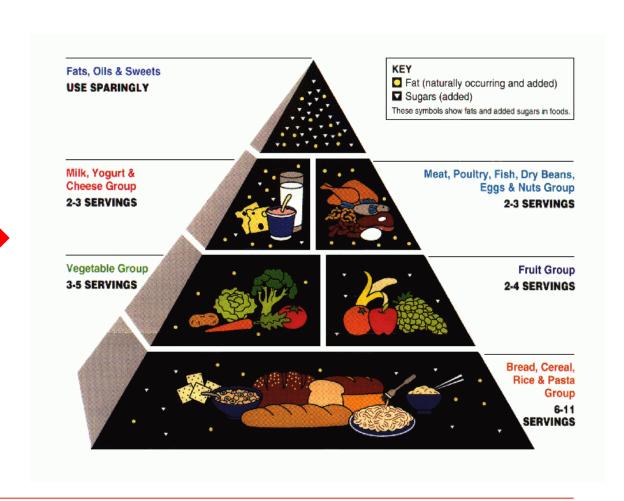




# History: Walk down memory lane...

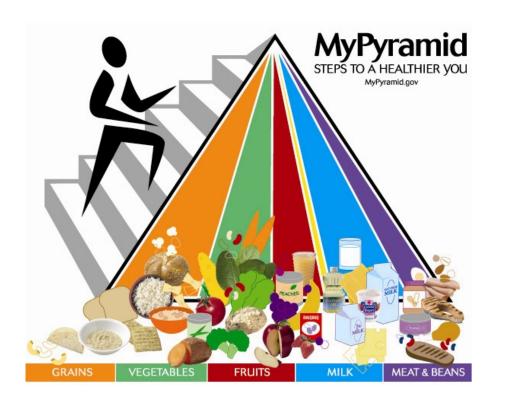




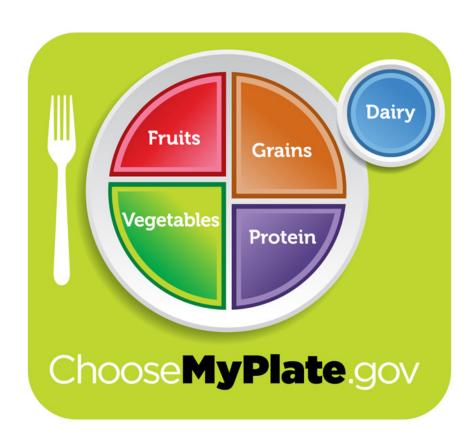




# History: Walk down memory lane...







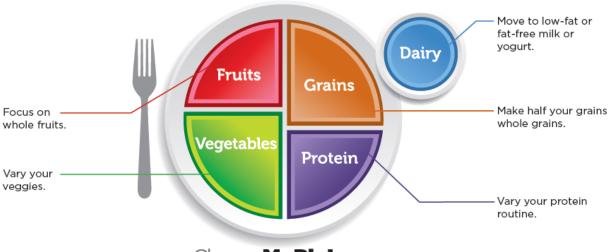


# **MyPlate**



# MyPlate, MyWins: Make it yours

Find your healthy eating style. Everything you eat and drink over time matters and can help you be healthier now and in the future.



Choose MyPlate.gov



#### l imit the extras

Drink and eat beverages and food with less sodium, saturated fat, and added sugars.

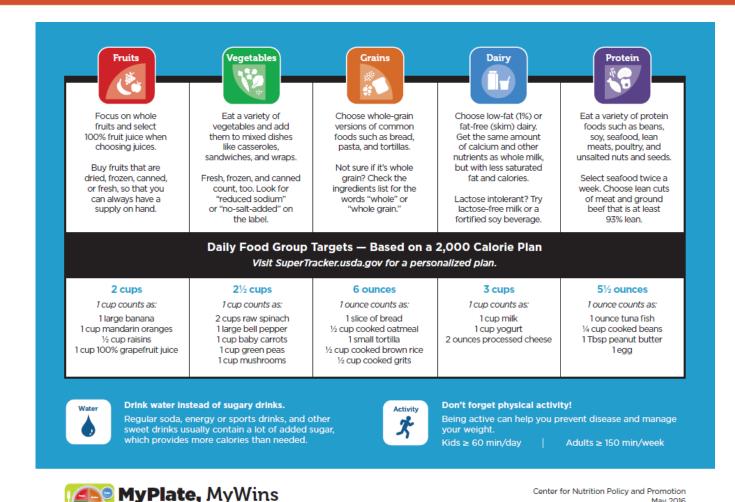


#### Create 'MyWins' that fit your healthy eating style.

Start with small changes that you can enjoy, like having an extra piece of fruit today.



# **MyPlate**





May 2016

USDA is an equal opportunity provider, employer, and lender.

Healthy Eating Solutions for Everyday Life

Choose MyPlate.gov/MyWins

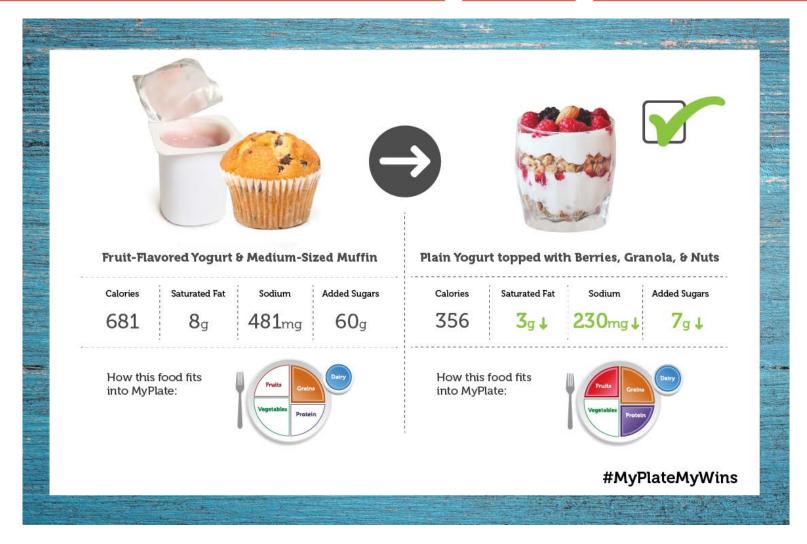
# What did you eat for breakfast?



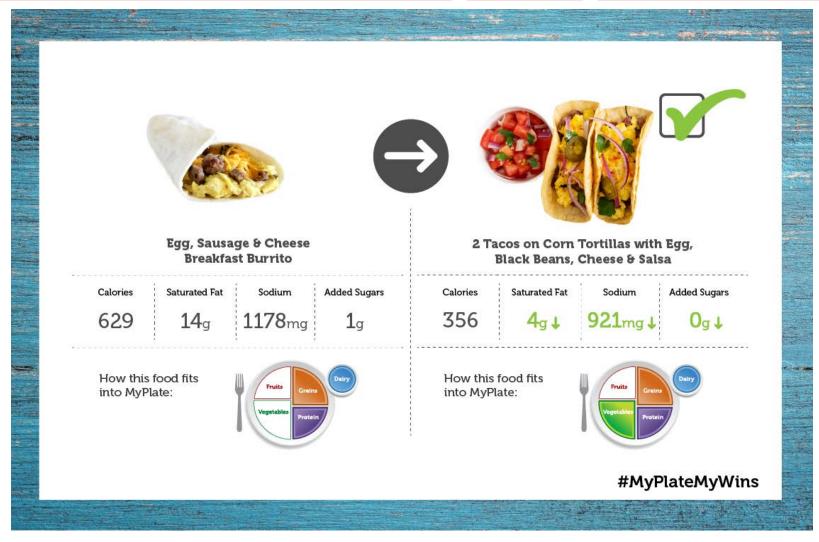




# Sample Breakfast: Putting it together



# Sample Breakfast: Putting it together





QUESTION 1 OF 10

Which of these nutrients can you get from eating <u>whole</u> fruit that is not usually found in juice?

- Vitamins
- Minerals
- Fiber
- Sugar



NEXT







QUESTION 1 OF 10

Which of these nutrients can you get from eating <u>whole</u> fruit that is not usually found in juice?

- Vitamins
- Minerals
- Fiber
- Sugar



NEXT





QUESTION 1 OF 10

Which of these nutrients can you get from eating whole fruit that is not usually found in juice?

Your Answer: Fiber

Correct

Fiber is found in the pulp of the fruit. When juice is made (either commercially or at home with a juicer), the pulp is usually removed. Unfortunately, the fiber goes with it.











QUESTION 8 OF 10

Which of these foods is actually a fruit in plant biology?

- Onion
- Pepper
- Mushrooms
- All of the above













QUESTION 8 OF 10

Which of these foods is actually a fruit in plant biology?

- Onion
- Pepper
- Mushrooms
- All of the above









QUESTION 8 OF 10

Which of these foods is actually a fruit in plant biology?

Your Answer: Pepper

Correct

In plant biology, a fruit contains the seeds of a plant. Though it is botanically a fruit, a pepper counts toward the Vegetable Group because we eat peppers in a similar way to vegetables (on sandwiches, in soups, in pasta sauces). Likewise, tomatoes, squash, cucumbers, and pumpkins all contain the seeds of the plant and are therefore botanically fruits.





# Quiz Time: VEGETABLES



QUESTION 5 OF 10

Which of these is a subgroup of vegetables?

- O Raw
- Crunchy
- O Dark-green
- Juiced











### **Quiz Time: VEGETABLES**



**QUESTION 5 OF 10** 

Which of these is a subgroup of vegetables?

- O Raw
- Crunchy
- Dark-green
- Juiced











QUESTION 5 OF 10

Which of these is a subgroup of vegetables?

Your Answer: Dark-green

Correct

The subgroups of vegetables are darkgreen vegetables, red and orange vegetables, beans and peas, starchy vegetables, and other vegetables. It is important to get a variety of vegetables from these subgroups because different subgroups have different amounts of vitamins and minerals. Broccoli, kale, bok choy, and romaine lettuce are examples of dark-green vegetables.





### **Quiz Time: VEGETABLE**



QUESTION 7 OF 10

### What color vegetable should you eat the most?

- Orange, because they taste the best
- Purple, because they are rare and exotic
- Green, because kale is green
- A variety of colors











### **Quiz Time: VEGETABLE**



QUESTION 7 OF 10

### What color vegetable should you eat the most?

- Orange, because they taste the best
- Purple, because they are rare and exotic
- Green, because kale is green
- A variety of colors



BACK NEXT





QUESTION 7 OF 10

What color vegetable should you eat the most?

Your Answer: A variety of colors



Varying your veggies ensures you get many different vitamins and minerals.



NEXT







QUESTION 1 OF 10

Any food made from wheat, rice, oats, cornmeal, barley, or another cereal grain is in the Grains Group.

- True
- False



NEXT







QUESTION 1 OF 10

Any food made from wheat, rice, oats, cornmeal, barley, or another cereal grain is in the Grains Group.

- True
- False



NEXT





QUESTION 1 OF 10

Any food made from wheat, rice, oats, cornmeal, barley, or another cereal grain is in the Grains Group.

Your Answer: True

Correct

Foods made from these grains — which include bread, pasta, oatmeal, breakfast cereals, tortillas, and grits — are examples of foods in the Grains Group. Grain products with high levels of solid fats and/or added sugars (e.g., donuts, cakes) should be chosen less often.







QUESTION 3 OF 10

### What is the most common food from the Grain Group eaten in the United States?

- Tortillas
- Bread
- White rice
- Popcorn
- Pancakes













QUESTION 3 OF 10

What is the most common food from the Grain Group eaten in the United States?

- Tortillas
- Bread
- White rice
- Popcorn
- Pancakes



BACK

NEXT



QUESTION 3 OF 10

What is the most common food from the Grain Group eaten in the United States?

Your Answer: Bread

Correct

Bread is the most common food from the Grains Group eaten in the United States.

BACK

NEXT







### **Quiz Time: PROTEIN**



QUESTION 1 OF 10

Most Americans get enough protein in their diets.

- True
- False



NEXT





### **Quiz Time: PROTEIN**



QUESTION 1 OF 10

Most Americans get enough protein in their diets.

- True
- False



NEXT





QUESTION 1 OF 10

Most Americans get enough protein in their diets.

Your Answer: True

Correct

Most Americans get enough protein in their diets, but may need to make leaner and more varied selections of the foods in the Protein Foods Group. These recommended choices include lean meats, seafood, and plant-based proteins such as dried peas and beans, and nuts.





### **Quiz Time: PROTEIN**



QUESTION 10 OF 10

Should you wash or rinse raw meat or poultry before you cook it?

- Yes
- O No

















### **Quiz Time: PROTEIN**



QUESTION 10 OF 10

Should you wash or rinse raw meat or poultry before you cook it?

- Yes
- O No















QUESTION 10 OF 10

Should you wash or rinse raw meat or poultry before you cook it?

Your Answer: No



Do not wash or rinse raw meat or poultry before you cook it. Washing can cause bacteria found on the surface of meat or poultry to be spread to ready-to-eat foods, kitchen utensils, and counter surfaces. This is called cross-contamination. Cooking (baking, broiling, boiling, and grilling) to the right temperature kills the bacteria.









QUESTION 2 OF 10

Milk is the only food that contains calcium.

- O True
- False



BACK









QUESTION 2 OF 10

Milk is the only food that contains calcium.

- O True
- False



BACK







QUESTION 2 OF 10

Milk is the only food that contains calcium.

Your Answer: False

Correct

Calcium can also be found in other dairy foods like yogurt and cheese, in tofu made with calcium, in canned salmon and sardines (if bones are eaten), in some leafy greens (collards and spinach), in soybeans and green soybeans (edamame), and in calcium-fortified foods and drinks like soymilk, other plant-based "milks," orange juice, and cereals. The amount of calcium in these other foods vary.







QUESTION 4 OF 10

How many cup-equivalents from foods in the Dairy Group are recommended for adults each day?

- 1 cup
- 2 cups
- 3 cups
- 4 cups



BACK









QUESTION 4 OF 10

How many cup-equivalents from foods in the Dairy Group are recommended for adults each day?

- 1 cup
- 2 cups
- 3 cups
- 4 cups











toods in the Dairy Group are recommended for adults each day?

Your Answer: 3 cups

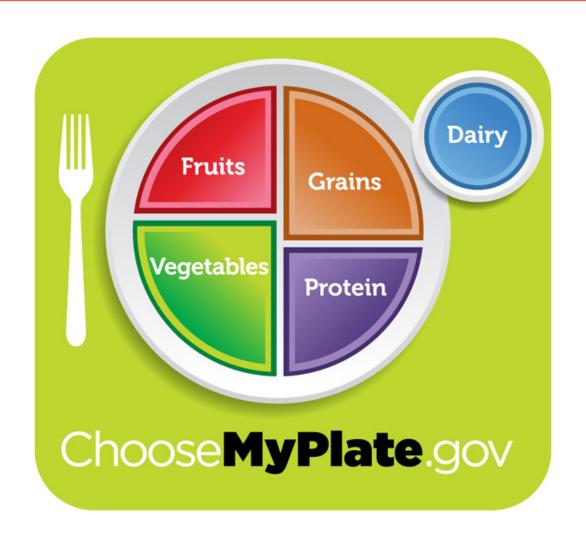
Correct

Consuming 3 cups of foods from the Dairy Group each day will provide you with the recommended amount of calcium and other important nutrients like potassium and vitamin D. Non-dairy sources of calcium include calcium-fortified juices, cereals, breads, rice milk, almond milk, canned fish (sardines, salmon with bones), soybeans and other soy products (tofu made with calcium sulfate, soy yogurt, tempeh), some other beans, and some leafy greens (collard and turnip greens, kale, bok choy).





### **Website Walkthrough**

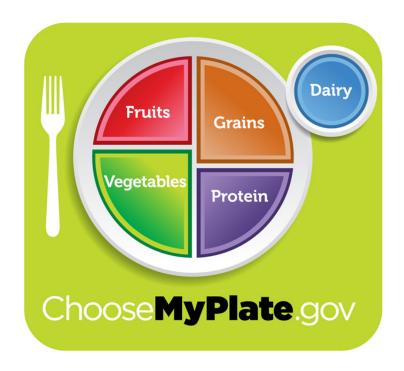




### Individual

- Useful links:
  - SuperTracker
  - Food-A-Pedia

Handouts





# Individual: Mobile Apps

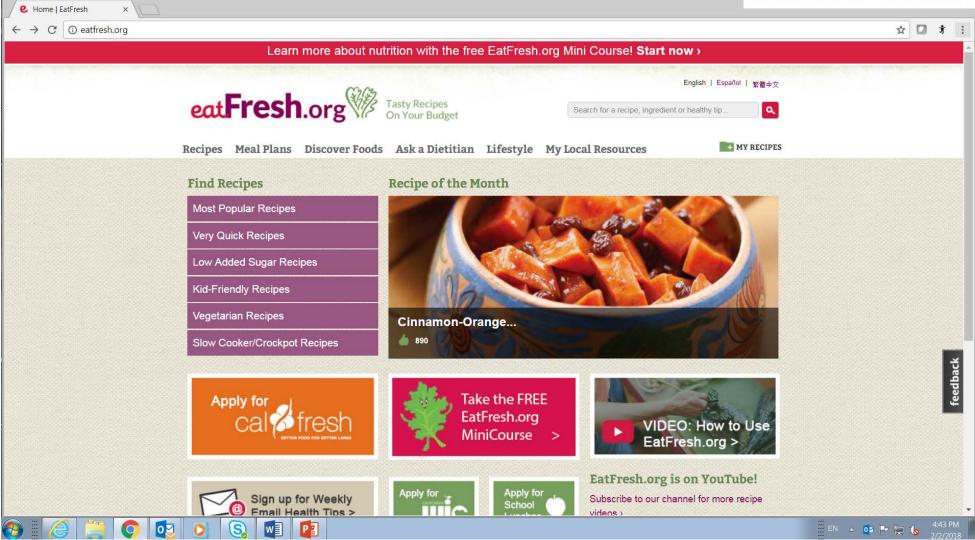




Mobile Application	Cost	Description	Website
Daily Yoga (\$)	Free	More than 100 yoga poses and classes. Optional purchasing options in app.	https://www.dailyyoga.com/#/
Fitnet Live Coach (\$)	Free	More than 200 video-led workouts. Live coaching and texting support with paid subscription.	https://ipadwisdom.com/2014/09/17/fitnet- app-review-your-personal-workout-app-at- anytime-anywhere/
Fooducate (\$)	Free	Track food intake and search recipes. Webbased .	http://www.fooducate.com/
Freeletics (\$)	Free	Video-led workouts with goals. Coaching support with paid subscription.	https://www.freeletics.com/en
Headspace (\$)	Free	10-minute sessions on how to meditate. Paid subscription for more content.	https://www.headspace.com/
MyFitnessPal (\$)	Free	Calorie counter and food file to keep track of what you eat.  Health and activity tracker. Social media presence on Twitter and Facebook.	https://www.myfitnesspal.com/
SideChef (\$)	Free	See hundreds of recipes with photos and step- by-step videos.	https://www.sidechef.com/
Sworkit (\$)	Free	Workouts based on goals. Offers paid monthly subscriptions for added perks.	https://sworkit.com/
Yonder (\$)	Free	Find local outdoor activities in your area (hiking, biking, etc.) and meet with others.	https://www.yonder.it/

# Individual: Nutrition Education eat Fresh.org





# Classroom

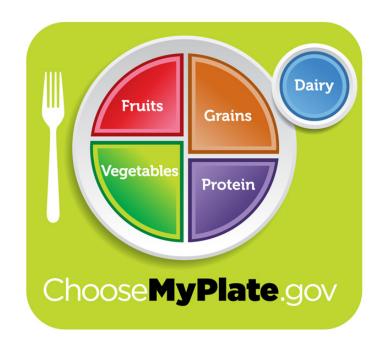
Preschoolers (2-5 yrs)

Kids (6-11 yrs)

High School Students

Activity

Handouts



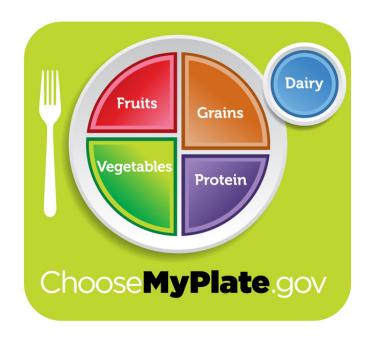


### School and/or District

- Useful links:
  - Breakfast

Lunch

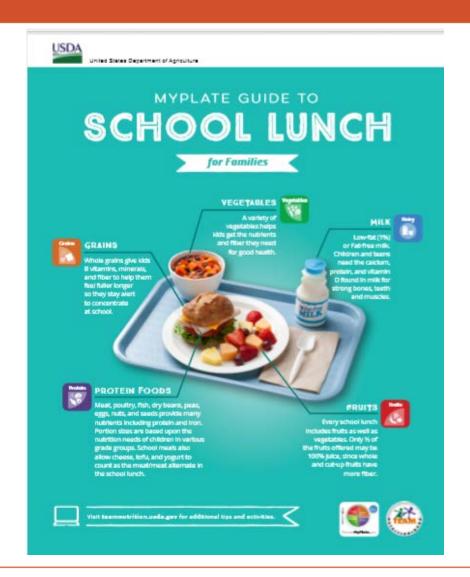
Handouts





### School and/or District







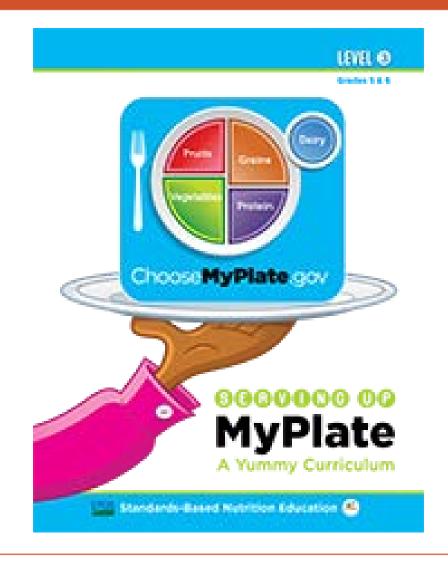
### **Let's Practice**







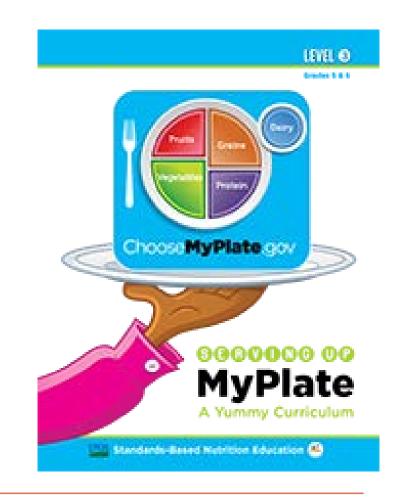
# Let's Practice: Yummy Curriculum



# Who Am I? (Modified)

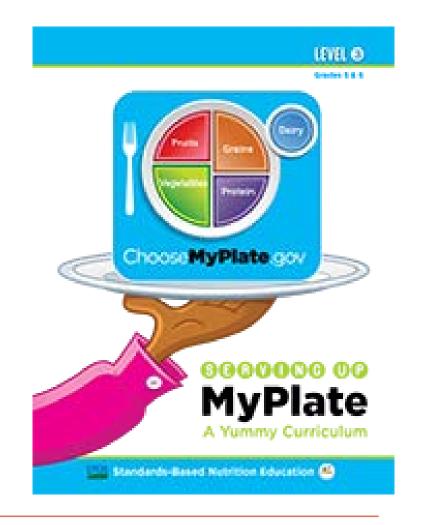
#### Instructions:

- 1. Ask "yes" or "no" questions ONLY
- 2. 1 question per person
- Once you find out what you are, find your other food group members





# Who Am I? (Modified): Create A MyPlate Meal



## Who Am I? (Modified): Create A MyPlate Meal

#### Instructions:

- Group yourselves utilizing all 5 food groups
- Identify a reporter who will describe the following:
  - Is it a breakfast, lunch, or dinner meal?
  - What was your rational for why you opted to come together?







## LUNCH







# Step 2: Implement and Communicate

STEPS to Success

Step 1: Gather Your Team

Step 2: Assess & Track Progress

Step 3: Create & Implement an Action Plan



POLICY COMPONENT				PRIORITY (HIGH/MEDIUM/LOW)		DATE		
ro	POLICI COMPONENT			Н	М	L	DUE	
1. Ph	ysical l	Educs	ation and Physical Activity Policy Elements					
	PE							
		Minu	ites					
		Staff	training	Teachers trained in Spark or CATCH				4/2018
		Curr	iculum					
		Fitne	ess testing					
	PA							
		Reces	SS					
		Duri	ing school (classroom activity)					
		Incre	ase physical activity before or after school					
			Joint/Shared Use					
	'		Bike Parking					
			Walking School Bus					
			Safe Routes to School					

POLICY COMPONENT			PRIORITY (HIGH/MEDIUM/LOW)		DATE	
ГО	TOLICI COMPONENT		Н	M	L	DUE
2. N	utrition Education and Promot	ion Policy Elements				
	Curriculum					
	Staff training					
	Student Assessment	All elementary school students are assessed about	**			6/2018
		nutrition education, knowledge, and skills				
3. N	utrition Guidelines for Foods S	erved and Sold on Campus Policy Elements				
	School meal programs					
	Meal service and time					
	Competitive foods					
	Competitive beverages					
	Vending					
	Fundraising	Every group aware of fundraising rules	X			6/2018
	Classroom celebrations	Foods/bevs meet CA Nut Standards	× ×			9/2018
	Rewards	Only non-food rewards unless foods from Nutrition Services				9/2018
	Water access and promotion	District meets CA plumbing code ratio- 1:150 w/chilled re-filling stations				9/2020

POLICY COMPONENT		PRIORITY (HIGH/MEDIUM/LOW)			DATE	
rc	I OLICI COMI ONENI		Н	M	L	DUE
	School gardens					
	Farm to school					
	Food distribution					
	Environmental impact					
	Marketing	No marketing of non-compliant items across district	X			6/2019
Note	251					

POLICY COMPONENT			PRIORITY (HIGH/MEDIUM/LOW)		DATE	
IC	LICI COMPONENT		Н	M.	L	DUE
4.0	her School-Based Activities Policy Elei	nents (Following the components of Coordinated School Health)				
	Health Education					
	Health Services					
	Oral Health					
	Vision					
	Reproductive Health	New staff utilizing approved curriculum	*			9/2017
	Counseling, Psychological, and Social Services	Counselor at every school	*			9/2018
	Healthy and Safe School Environment					
	Health Promotion for Staff					
	☐ Lactation Accommodation					
Note	S‡					



# Step 2: Implement and Communicate

### Step 3: Create & Implement an Action Plan: Considerations

#### 1. Action:

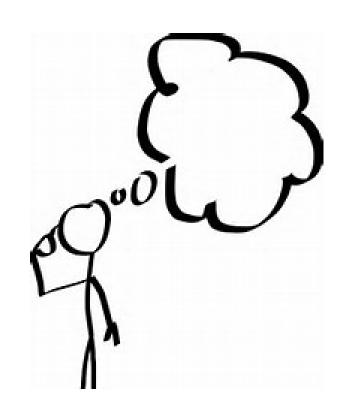
- -What needs to be done, by when?
- -Who will do it?

### 2. Monitoring:

- -How will policy element be monitored
- -Who will do it, and how often?

#### 3. Evaluation:

- -How should results be communicated?
- -To whom should they be communicated and how often?
- -Who should be accountable for results?



### **CPLs Implementation Plan Template**

WELLNESS	COMPONENT:								
Policy Elen	Policy Element:								
What will t	this look like?:								
Funding (e	Funding (e.g., LCAP/ESSA/Other):								
PRIORITY	ACTIVITIES/STEPS: What needs to be done?	By When?	STATUS	RESPONSIBLE PARTY: Person(s)/Workgroup					
High			COMPLETED IN PROGRESS	Name(s):					
Medium			COMPLETED IN PROGRESS	Workgroup:					
Low			COMPLETED IN PROGRESS						
- Norte			COMPLETED IN PROGRESS						
Already in place districtwide			COMPLETED IN PROGRESS						
In Progress	How will this be monitored?		How often will monitoring take place? (e.g., weekly,	To whom will results and/or updates be reported?					
Not			monthly, annually)						
Begun									
COMMENTS (Include here any indispensable financial, equipment or other resources):									

WELLNESS COMPONENT: Nutrition Education							
Policy Eler	Policy Element:						
What will	this look like?:						
Funding (e	e.g., LCAP/ESSA/Other):						
PRIORITY	ACTIVITIES/STEPS: What needs to	By When?	STATUS	RESPONSIBLE PARTY:			
- raoiarr	be done?	by whom:	577105	Person(s)/Workgroup			
			COMPLETED IN PROGRESS	Name(s):			
High			COMPLETED IN PROGRESS				
☐ Medium			COMPLETED IN PROGRESS	Workgroup:			
Low			COMPLETED IN PROGRESS				
			COMPLETED IN PROGRESS				
			COMPLETED IN PROGRESS				
Already in place			COMPLETED IN PROGRESS				
districtwide			COMPLETED IN PROGRESS				
☐ In			COMPLETED IN PROGRESS				
Progress			COMPLETED IN PROGRESS				
Not Begun			COMPLETED IN PROGRESS				

WELLNESS	COMPONENT: Nutrition Education	ı					
shall be cor	Policy Element: The district's nutrition education and physical education programs shall be based on research, shall be consistent with the expectations established in the state's curriculum frameworks and content standards, and shall be designed to build the skills and knowledge that all students need to maintain a healthy lifestyle.						
What will	this look like?:						
Funding (e	e.g., LCAP/ESSA/Other):						
PRIORITY	ACTIVITIES/STEPS: What needs to be done?	By When?	STATUS	RESPONSIBLE PARTY: Person(s)/Workgroup			
			COMPLETED IN PROGRESS	Name(s):			
High			COMPLETED IN PROGRESS				
Medium			COMPLETED IN PROGRESS	Workgroup:			
			COMPLETED IN PROGRESS				
Low			COMPLETED IN PROGRESS				
			COMPLETED IN PROGRESS				
Already in place			COMPLETED IN PROGRESS				
districtwide			COMPLETED IN PROGRESS				
□ In			COMPLETED IN PROGRESS				
Progress			COMPLETED IN PROGRESS				
Not Begun			COMPLETED IN PROGRESS				

				_
WELLNESS	COMPONENT: Nutrition Education	ı		
-	nent: The district's nutrition educa		ns shall be based on research, eworks and content standards, and sh	all he designed to huild
~~~~	d knowledge that all students need		oworks and content standards, and sin	an be designed to band
What will	this look like?: All elementary sch	ool students are assessed about nu	trition education, knowledge, and sk	tills
Funding (e	e.g., LCAP/ESSA/Other):			
PRIORITY	ACTIVITIES/STEPS: What needs to be done?	By When?	STATUS	RESPONSIBLE PARTY: Person(s)/Workgroup
			COMPLETED IN PROGRESS	Name(s):
High			COMPLETED IN PROGRESS	
Medium			COMPLETED IN PROGRESS	Workgroup:
Low			COMPLETED IN PROGRESS	workgroup.
LOW			COMPLETED IN PROGRESS	
			COMPLETED IN PROGRESS	
Already in place			COMPLETED IN PROGRESS	
districtwide			COMPLETED IN PROGRESS	
In Daniel			COMPLETED IN PROGRESS	
Progress			COMPLETED IN PROGRESS	
Not Begun			COMPLETED IN PROGRESS	



# Step 2: Implement and Communicate

Step 2: Assess & Track Progress: School Health Index results

- > Increase Opportunities for Physical Activity
- > Develop Nutrition Standards for Classroom Celebrations
- > Ensure ALL Students Receive Nutrition Education



		T				
DOLLOW COMPONENT		PRIORITY (HIGH/MEDIUM/LOW)			DATE	
PC	POLICY COMPONENT		Н	M	L	DUE
2. N	lutrition Education and Promoti	on Policy Elements				
	Curriculum					
	Staff training					
	Student Assessment	All elementary school students are assessed about	**			6/2018
		nutrition education, knowledge, and skills				
3. N	lutrition Guidelines for Foods S	erved and Sold on Campus Policy Elements				
	School meal programs					
	Meal service and time					
	Competitive foods					
	Competitive beverages					
	Vending					
	Fundraising					
	Classroom celebrations					
	Rewards					
	Water access and promotion					

				_			
WELLNESS	COMPONENT: Nutrition Education	1					
shall be con	Policy Element: The district's nutrition education and physical education programs shall be based on research, shall be consistent with the expectations established in the state's curriculum frameworks and content standards, and shall be designed to build the skills and knowledge that all students need to maintain a healthy lifestyle.						
What will t	this look like?: All elementary scho	ool students are assessed about nuti	rition education, knowledge, and skill:	5			
Funding (e	e.g., LCAP/ESSA/Other): LHD/UCCE	and others provide at no charge no	ut ed for SNAP-Ed qualifying schools				
PRIORITY	ACTIVITIES/STEPS: What needs to be done?	By When?	STATUS	RESPONSIBLE PARTY: Person(s)/Workgroup			
			COMPLETED IN PROGRESS	Name(s):			
High			COMPLETED IN PROGRESS				
Medium			COMPLETED IN PROGRESS	Workgroup:			
_			COMPLETED IN PROGRESS				
Low			COMPLETED IN PROGRESS				
			COMPLETED IN PROGRESS				
Already in place			COMPLETED IN PROGRESS				
districtwide			COMPLETED IN PROGRESS				
In Dansey			COMPLETED IN PROGRESS				
Progress			COMPLETED IN PROGRESS				
Not Begun			COMPLETED IN PROGRESS				

WELLNESS	COMPONENT: Nutrition Education	1					
shall be con	Policy Element: The district's nutrition education and physical education programs shall be based on research,  shall be consistent with the expectations established in the state's curriculum frameworks and content standards, and shall be designed to build the skills and knowledge that all students need to maintain a healthy lifestyle.						
What will t	this look like?: All elementary scho	ool students are assessed about nutr	ition education, knowledge, and skills	5			
Funding (e	.g., LCAP/ESSA/Other): LHD/UCCE	and others provide at no charge nut	ed for SNAP-Ed qualifying schools				
PRIORITY	ACTIVITIES/STEPS: What needs to be done?	By When?	STATUS	RESPONSIBLE PARTY: Person(s)/Workgroup			
			COMPLETED IN PROGRESS	Name(s):			
			COMPLETED IN PROGRESS				
Medium			COMPLETED IN PROGRESS	Workgroup:			
_			COMPLETED IN PROGRESS				
Low			COMPLETED IN PROGRESS				
			COMPLETED IN PROGRESS				
Already in place			COMPLETED IN PROGRESS				
districtwide			COMPLETED IN PROGRESS				
<b>⊠</b> In			COMPLETED IN PROGRESS				
Progress			COMPLETED IN PROGRESS				
Not Begun			COMPLETED IN PROGRESS				

PRIORITY	ACTIVITIES/STEPS: What needs to be done?	By When?	STATUS	RESPONSIBLE PARTY Person(s)/Workgrou
_	Identify and recruit school sites	9/2018	COMPLETED IN PROGRESS	Name(s):
☑ High ☑ Medium	Meet with principals for approvals to assess students	9/2018	COMPLETED IN PROGRESS	Workgroup:
	Develop and execute MOU	10/2018	COMPLETED IN PROGRESS	
Low	Research and confirm assessment tool	10/2018	COMPLETED IN PROGRESS	
	Provide nut ed overview with staff and parents	11/2018	COMPLETED IN PROGRESS	
Already in place districtwide	Train teachers on implementation of nut ed resources and assessment tool	1/2019	COMPLETED IN PROGRESS	
uistrictwide	Assess students (pre)	1/2019	COMPLETED IN PROGRESS	1
⊠ In	Implement nut ed	3/2019	COMPLETED IN PROGRESS	1
Progress Not Begun	Develop communication materials and resources throughout process	4/2019	COMPLETED IN PROGRESS	
	Assess students (post)	5/2019	COMPLETED IN PROGRESS	]
	Share results with school community	6/2019	COMPLETED IN PROGRESS	

Policy Element: The district's nutrition education and physical education programs shall be based on research, shall be consistent with the expectations established in the state's curriculum frameworks and content standards, and shall be designed to build the skills and knowledge that all students need to maintain a healthy lifestyle. What will this look like?: All elementary school students are assessed about nutrition education, knowledge, and skills Funding (e.g., LCAP/ESSA/Other): LHD/UCCE and others provide at no charge nut ed for SNAP-Ed qualifying schools ACTIVITIES/STEPS: What needs to RESPONSIBLE PARTY: By When? PRIORITY STATUS be done? Person(s)/Workgroup Identify and recruit school sites 9/2018 COMPLETED IN PROGRESS Name(s): M High SNAP-Fd HA Meet with principals for 9/2018 COMPLETED IN PROGRESS School Teachers approvals to assess students Medium **Principals** Develop and execute MOU 10/2018 COMPLETED IN PROGRESS Low Research and confirm 10/2018 COMPLETED IN PROGRESS Workgroup: assessment tool Nutrition Ed sub-Provide nut ed overview with 11/2018 COMPLETED IN PROGRESS committee staff and parents Train teachers on 1/2019 Already COMPLETED IN PROGRESS implementation of nut ed in place resources and assessment tool districtwide Assess students (pre) 1/2019 COMPLETED IN PROGRESS 🖾 In 3/2019 Implement nut ed COMPLETED IN PROGRESS Progress Develop communication 4/2019 materials and resources COMPLETED IN PROGRESS Not throughout process Begun 5/2019 Assess students (post) COMPLETED | IN PROGRESS Share results with school 6/2019 COMPLETED IN PROGRESS community

107

How will this be monitored?	How often will monitoring take place? (e.g., weekly, monthly, annually)	To whom will results and/or updates be reported?
Teachers' hours calculated	Quarterly	School Board
Pre/Post results	Beginning and end of school year	School Community on an annual basis

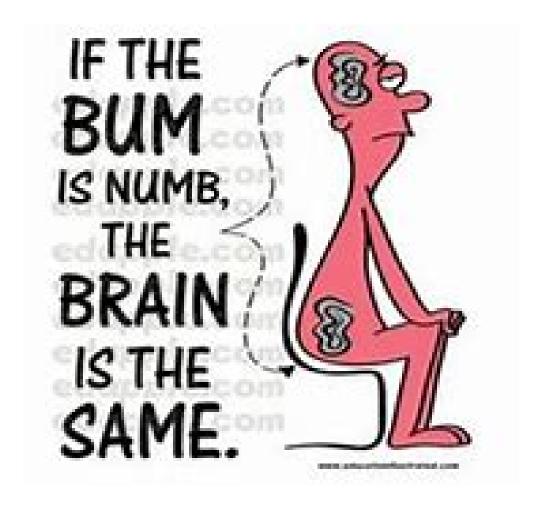
COMMENTS (Include here any indispensable financial, equipment or other resources):

108



# **Energizer**







# **What Next: Action Planning**









## **Share Out & Reflection**









# **Evaluation & Closing**









## **Thank You!**



