Nutrient Analysis A to Z

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mdek12.org

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VISION

To create a world-class educational system that gives students the knowledge and skills to be successful in college and the workforce, and to flourish as parents and citizens

MISSION

To provide leadership through the development of policy and accountability systems so that all students are prepared to compete in the global community



ALL Students Proficient and Showing Growth in All Assessed Areas

EVERY School Has Effective Teachers and Leaders

4

EVERY Student Graduates from High School and is Ready for College and Career

EVERY Community Effectively Uses a World-Class Data System to Improve Student Outcomes

5 00

☆ 3 **EVERY** Child Has Access to a High-Quality Early Childhood Program

EVERY School and District is Rated "C" or Higher













Ingredients





Ingredients

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Ingredient Updates should start with the order guide!

- 1) Pull current version of order guide.
- 2) Compare manufacturer name and product number to the ingredient card in the nutrient analysis software.
- 3) Make changes to ingredients when you find inconsistencies.

View Order Guide

Include the following when opening the Order Guide:

Open Order Guide

Open Product Catalog



Ingredient- Compare Manufacturer Name and Product Number

Order Guide:

lte ∵ m#	Item Description 🕤	Distributo 🕤 rs	Brand Name 🐨	Product 🐨 Number
1015	Chicken Tenders, Breaded Made W/ Whole Breast FC WG	Briggs, Inc.	Gold Creek	3501

Nutrient Analysis Software:

								GTIN.	
Ingredient Code	Ingredient Name	Ingredient Short Name	GTIN	Manufacturer	FNS Material Number	Stock Item #	Data Source	Manufacturer:	Gold Creek 3 tenders = 2
								Product Code:	3501CN
MSP100019	Chicken Breast Tenders, Cooked #1015			Gold Creek 3 tenders = 2 oz. eq. Meat, 1 oz. eq. whoe grain			MS DOE Shared	FNS Material Number:	



GTIN

Ingredients

- Once you have compared the order guide and nutrient analysis software, you will need to collect information about your ingredients.
- Ingredient information Needed:
 - Nutrition facts label
 - Product formulation statement
 - Child Nutrition Label
- Tip: Labels are in the child nutrition navigator! Make sure you have access.

Nutrition F	acts
servings per container	
Serving size	(142g)
Amount per serving Calories	230
%	Daily Value
Total Fat 7g	9%
Saturated Fat 1.5g	8%
Trans Fat 0g	
Cholesterol 55mg	18%
Sodium 840mg	37%
Total Carbohydrate 22g	8%
Dietary Fiber 2g	7%
Total Sugars 1g	
Includes 0g Added Sugars	0%
Protein 19g	
Vitamin D 0mcg	0%
Calcium 28mg	2%
Iron 2mg	10%
Potassium 331mg	8%

*The % Daily Value tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.



Ingredients- Make Changes to Nutrients when you find inconsistencies.

General Mea	isurement Nutrients A	llergen	s Purchase Info Attach	iments									
Base Weight:* 85	.000 gram	V	85.000 g)			Use the percen	t daily value	-	es required nutrient v tes Missing Nutrient V d Nutrition Fact label	Values			
	Nutrient Value		Nutrient Value/100g			Nutrient Value		Nutrient Value	:/100g				
 Calories: 	210.000		247.059		Total Sugars:	0.000	g	0.000		g			
Total Fat:	12.000	g	14.118	g	Added Sugars:	*N/A*	g	*N/A*		g			
Saturated Fat:	1.000	g	1.176	g	Protein:	12.000	g	14.118		g			
Trans Fat:	0.000	g	0.000	g	\infty Vitamin A:	*N/A*							AN
Cholesterol:	30.000	mg	35.294	mg	🛞 Vitamin C:	0.000	PR	ODUC ⁻	T COD	E:	350	G	OLD CREEK [™]
🚺 Sodium:	390.000	mg	458.824	mg	畅 Calcium:	0.000	DESC	RIPTION:	Whole Grain	Breade	ed Fully Cooked Chicken	—	
Carbohydrate:	14.000	g	16.471	g	畅 Iron:	1.000	CHILD	NUTRITION:	CN #	N/A			
Dietary Fiber:	1.000	g	1.176	g	Water:	*N/A*			SERV SIZE M/MA GRAIN	3.00 2.00 1.00	oz 1	Pc/Serv	on FNS/AMS Requirements
					Ash:	*N/A*	NUTR	ITIONAL FACTS		1.00		Grain Equivalent based	on rivs/Aims Requirements
								Nutrients	Per Serving		Nutrients	Per Serving	1
							Gra	m Weight (g)	85		Saturated Fat (g)	1]
							Ca	lories (kcal)	210		Trans Fatty Acid (g)	0	
Evon	if the nut	rio	nt data ma	atc	has v		Calorie	s from Fat (kcal) 108		Cholesterol (mg)	30	_
Lven	in the nut		ni uata ma		11 6 3, y	u		Protein (g)	12		Vitamin A - IU (IU)	0	
migh	t need to	he	d the adde	d	sugar			ohydrates (g)	14		Vitamin C (mg)	0	
mgn		au		U I	suyai			tary Fiber (g)	1		Calcium (mg)	0	-
infor	mation.						Tot	al Sugars (g)	0		Iron (mg)	1	-
	mation						1	Fat (g)	12		Sodium (mg)	390	



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Ingredients

Tip: As you are editing ingredients, write down the ingredients that required a change. Changes in the ingredient tab will likely lead to changes in the recipes tab.

Pull recipes that contain those ingredients and ensure the recipes are correct. You can search the order guide number in MRS online to help identify which recipes contain the changed

ingredient.





Ingredients

Continue the ingredient review process until you have updated all of the ingredients on the order guide.

Remember: This process is a cycle and will have

to be completed multiple times throughout the year

- New products
- Product formulation changes
- Errors found
- Products removed from order guide
- Added sugar info availability









Recipes



Product Changes and/or Correcting Errors





Recipes

Crediting is determined by the total component contribution from each ingredient included in the recipe.

- Single ingredient, basic item crediting can be calculated from the information provided in the Food Buying Guide.
 - Fruit
 - Vegetables
 - Raw beef or chicken
 - Rice, noodles, pasta
 - Other minimally processed, basic items
- Brand specific item with multiple ingredients need a product formulation statement.
 - Combination food items
 - Highly processed items
 - Items containing added protein
 - Items that may be unclear about whole grain content
 - Deli meats, hot dogs, sausage



Product Formulation Statement (Product Analysis for Meat/Meal Alternate(M/MA) Products

SIZE 1.00

Child Nutrition Program operators should include a copy of the label from the purchased product carton in addition to the following information on letterhead by an official company representative.

PRODUCT NAME	WG Cheezy Hotz Chicken Breast	Chunk Fritters	CODE NO	<u> 70</u>	27	
MANUFACTURER:	Gold Creek Foods	CASE 10 lb	РАСК 2/5	COUNT 160	PORTION 5.00	

I. MEAT/MEAT ALTERNATE

Please fill out the chart below to determine the creditable amount of Meat/Meat Alternate

Description of Creditable Ingredients per Food Buying Guide (FBG)	Ounces per Raw Portion of Creditable Ingredient	Multiply	FBG Yield/Servings per Unit	Creditable Amount*
Chicken Breast Meat	2.86	X	0.7	2.00
		Х	0.7	0.00
A. Total Creditable M/MA				2.00

```
*Creditable amount - Multiply ounces per raw portion of creditable ingredient by the FBG Yield Information
```

II. Alternate Protein Product (APP)

If the product contains APP, please fill out the chart below to determine the creditable amount of APP. If APP is used, you must provide documentation as described in Attachment A for each APP used.

Description of APP, Manufacturers name and code number	Ounces Dry APP Per Portion	Multiply	% of Protein As- Is*	Divide by 18**	Creditable Amount APP***
		Х	86	18	0.00
		Х		18	0.00
B. Total C	B. Total Creditable APP Amount				0.00
C. TOTAL CREDITABLE AMOUNT (A+B round down to nearest 1/4 oz)					2

*Percent of Protein As-Is is provided on the attached APP documentation

**18 is the percent of protein when fully hydrated

***Creditable amount of APP equals ounces of Dry APP multiplied by the percent of protein as-is divided by 18. Total Creditable Amount must be rounded down to the nearest 0.25 oz. Do NOT round up. If you are crediting M/MA and APP, you do not need to round down in Box A (Total Creditable M/MA Amount) until after you have added the Total Creditable APP amount from box B to box C

5 oz

2 oz

Total weight (per portion) of product as purchased

Total creditable amount of product (per portion

(Reminder: Total creditable amount cannot count for more than the total weight of product)

I certify that the above information is true and correct and that a 5 oz serving of the above product (ready for serving contains 2 oz equivalent meant/meat alternate when prepared according to directions

I further certify that any APP used in the product conforms to the Food and Nutrition Service Regulations (7 CFR Part 210, 220, 225, 226, Appendix A) as demonstrated by the attached supplier documentation.

MOD. DR. OV.	
Shitz Barn	
Signature	

Director of R&D Title 7.20.21 678-928-7031 Phone Number This page describes how calculations were made for meat/meat alternate.

 This also gives us the information on how many oz meat/meat alternate to credit.

*5 oz of bites= 2 oz M/MA



Phil L. Bradberry Printed Name

Formulation Statement for Documenting Grian in School Meals Required Beginning SY 2013-2014 (Crediting Standards Based on Grams of Creditable Grains)

School Food Authorities (SFAs) should include a copy of the label from the purchased product package in addition to the following information on letterhead signed by an official company representative. Grain products may be credited based on the previous standards through SY 2012-2013. The new crediting standards for grains (as outlined in Policy Memorandum SP 30-2014) must be used beginning SY 2013-2014. SFAs have the option to choose the crediting method that best fits the specific needs of the menu planner.

PRODUCT NAME	WG Cheezy Hotz Chicken Breast C	hunk Fritters		CODE NO:	<u> 70</u>	<u>27</u>
MANUFACTURER	Gold Creek Foods		SERVI	IG SIZE	5.0	oz
	eet the Whole Grain-Rich Criteria: ain Requirements for the National School Lu	YES unch Program and	x School Bree	NO akfast Progr	am)	_

II. Does the product contain non creditable grains: YES NO x How many grams (Products with more than 0.24 oz equivalent or 3.99 grams for Groups A-G or 6.99 grams for Group H of non creditable grains may not credit towards the grain requirements for school meals)

III. Use Policy Memorandum SP 30-2012 Grain Requirements for the National School Lunch Program and School Breakfast Programs: Exhibit A to determine if the product fits into Groups A-G (baked goods), Group H (cereal grains) or Group I (RTE breakfast cereals). (Different methodologies are applie to calculate servings of grain component based on creditable grains. Groups A-G use the standard of 16 grams creditable grain per oz eq: Group H uses the standard of 28 grams creditable grain per oz eq: and Group I is reported by volume or weight)

Indicate to which Exhibit A Group (A-I) the Product Belongs:

Description of Creditable Grain Ingredient	Grams of Creditable Grain Ingredient per Portion A	Gran	n Standard of Creditable in per oz eq (16g or 28g) B	Creditable Amount
Whole Grain / Enriched Flour	25.44		16	1.59
			16	0.00
				1.59
Total Creditable Amount Whole	Grain			
Total weight (per portion) of pro	duct as purchased	5	oz	

Total weight (per portion) of product as purch Total contribution of product (per portion)

1.59 oz eguivalent

I certify that the above information is true and correct and that a 5 ounce portion of this product (ready for serving) provides 1.50 oz equivalent Grains. I further certify that non creditable grains are not above 0.24 oz equivalent or 3.99 grams for Groups A-G or 6.99 grams for Group H of non creditable grains may not credit towards the grain requirements for school meals

Signature

Title

- This page describes how calculations were made for grains.
- This also gives us the information on how many oz grains to credit.
- *5 oz of bites= 1.5 oz grains.



7.20.21 Date Phone Number 678-928-7031

Director of R&D

Source: MRS 2021

Component and Ingredient Breakdown:

Meat/Meat Alternate: Turkey Ham (PFS) Turkey Breast (PFS), Eggs (FBG), Cheese (FBG)

Vegetables: Lettuce (FBG), Iceberg Salad Mix (FBG), Mesclun Salad Mix (FBG), Cucumber(FBG), Tomatoes (FBG)

MEAL COMPONENT CONTRIBUTION:

2½ oz. eq. meat/meat alternate, ¼ cup red/orange vegetable, ½ cup dark green vegetable, and 5/8 cup other vegetable NUMBER OF PORTIONS: 100 SIZE OF PORTION: 1 salad RECIPE HACCP PROCESS: #1 - No cook

INGREDIENT

Turkey Ham, Diced, Frozen, #1074
Turkey Breast, Smoked, #1073
Eggs, Whole, Hard Cooked, #1323
Lettuce, Green Loose Leaf, Crowns, Fresh, #4007
Salad Mix, Iceberg, Carrot, Red Cabbage, #4012
Salad, Mesclun Mix, (Spring Mix), #4014
Cucumber with Peel, Whole, Fresh, #4101
Tomatoes, Cherry, Fresh, #4108
Cheese, American, Grated/Shredded, USDA
Dressing, Fat Free, 1000 Island, 1.5 ounce, #2206
Dressing, Fat Free Italian, 1.5 ounce, #2204

MRS: 3500 – Salad Entrees (3500s) CHEF SALAD

MEAT/MEAT ALTERNATE : VEGETABLES (RED/ORANGE) : VEGETABLES (DARK GREEN) : VEGETABLES (OTHER)

MEASURE (FOR 100 SERVINGS)
6 pounds + 4 ounces
6 pounds + 4 ounces
50 eggs
4 pounds + 12 ounces
15 pounds + 12 ounces
14 pounds
4 pounds
9 pounds + 12 ounces
3 pounds + 2 ounces
50 packets
50 packets



Source: MRS 2025

INGREDIENT

MEAL COMPONENT CONTRIBUTION:

Pizza, Buffalo Chicken WGR, #1110

2 oz. eq. meat/meat alternate and 2 oz. eq. whole grains NUMBER OF PORTIONS: 96 SIZE OF PORTION: 1 slice RECIPE HACCP PROCESS: #2 - Same day service MRS: 2050 - Pizza (2000s)

BUFFALO CHICKEN PIZZA



MEASURE (FOR 96 SERVINGS)

96 slices

Child Nutrition Information:

085368 - Each 4.60oz. Serving of Whole Wheat Buffalo Style White Chicken Pizza Provides 2.00oz. Equivalent Meat/Meat Alternate and 2.00oz. Equivalent Grains for the Child Nutrition Meal Pattern Requirements.

Ingredients:

CRUST: Water, Whole Wheat Flour, Enriched Flour (Malted Barley Flour, Niacin, Reduced Iron, Thiamine Mononitrate, Riboflavin, Folic Acid), Soybean Oil, Contains 2% or less of: Vital Wheat Gluten, Sugar, Salt, Yeast. CHEESE: Low Moisture-Part Skim Mozzarella Cheese (Pasteurized Part Skim Milk, Cultures, Salt, Enzymes). SAUCE: Water, Vinegar, Aged Cayenne Peppers, Canola Oil, Spices (Paprika, Celery Seed), Sugar, Garlic Powder, Citric Acid, Xanthan & Guar Gum, Sodium Alginate, Yeast Extract, Natural & Artificial Flavor, Polysorbate 80, TBHQ, Magnesium Potassium Chloride, Potassium Sorbate & Sodium Benzoate to Maintain Freshness. CHICKEN: Cooked Chicken White Meat.

This recipe has only 1 ingredient, but we need the manufacturer to tell us the crediting.



Recipes

Meal Component	Contribution
Meat/Meat Alternates (oz eq.)	
Meat/Meat Alternates	2 v Meat/MA
Grains (oz eq.)	
Non Whole Grains-Rich	✓ Non-WGR
Whole Grain-Rich	2 v WGR
Fruits (cups)	
Fruits	- Fruit
Vegetables (cups)	
Dark Green	Veg-DG
Red/Orange	1/8 veg-RO
Beans, Peas and Lentils	Veg-BP
Starchy	Veg-S
Other	Veg-O
Extra	Veg-X
Fluid Milk (cups)	
Fluid Milk	₩ILK-F

- Once you have calculated the crediting for the recipe, you can verify the crediting in the software or change the crediting if needed.
- Tip: MRS online is up-todate, review MRS online as needed to assist with crediting your recipes



Buffalo Chicken Pizza, WGR, MRS #2050 (2050) - (Buffalo Chicken Pizza)

HACCP Process:	MDE OCN Process 2:	Same Day	
Meal Contribution:	2 Meat/MA, 2 WGR,	1/8 Veg-RO	
Number of Servings:	96.00	Serving Size:	1 Slice
Moisture gain/loss%:	0.0000	Yield:	27 Pound, 9 1/2Ounce
Waste gain/loss%:	0.0000	Fat gain/loss%:	0.0000
Total Recipe Cost:	\$0.0000	Cost Per Serving:	\$0.0000

Step #	Stock Item#	n# Stock Item Stock Quantity C		Cost (\$)	Cost Source	Ingredient	Quantity
3						Pizza, Buffalo Chicken, Slice, WGR, #1110 MSP100076	96 Slice

Tips/Comments

- -Prepare Buffalo Chicken Pizzas for just in time service. Batch cook: Prepare only what can be served in a 30-minute period to maintain maximum quality.
 -Presentation idea: Garnish with chopped parsley leaves or parmesan cheese. These ingredients have not been included in the current nutrient analysis.
 -Refer to USDA FNS Food Buying Guide for School Meal Programs and/or the item's product formulation statement for quantities to purchase if the recipe is altered.
 -If changes are made in ingredients, check the crediting information and re-calculate the nutrition analysis.
- If changes are made in ingreatents, check the

Pre-Preparation Instructions

Keep the pizza frozen until ready to bake them.

Preparation Instructions

- 1. Keep the pizzas frozen until ready to bake them.
- 2. Line 18" x 26" sheet pans with pan liners.
- 3. Place the frozen pizzas on lined sheet pans.
- 4. Bake the pizza slices according to the directions on the package and/or case.
 CCP: Heat to 135 degrees F or higher for at least 15 seconds at the completion of the cooking process. If manufacturer instructions on packages, or case that have a higher temperature, follow those recommendations.
- 5. Portion one slice of pizza with a spatula onto a plate or tray per serving. Each portion provides 2 oz. eq. meat/meat alternate, 2 oz. eq. whole grains, and 1/8 cup red/orange vegetable.

CCP: Hold and maintain the product at a minimum temperature of 135 degrees F or higher. Check temperature every 30 minutes. Leftovers should be covered, labeled, and dated. Quick chill within 2 hours to 70 degrees F or lower and from 70 to 41 degrees F or lower within an additional 4 hours.

Serving Instructions

Portion one slice of pizza with a spatula onto a plate or tray per serving. Each portion provides 2 oz. eq. meat/meat alternate, 2 oz. eq. whole grains, and 1/8 cup red/orange vegetable.

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- Other things you may need to update on recipes:
 - Recipe names
 - Tips and comments
 - CCPs
 - Serving sizes
 - Instructions
 - Ingredient changes



Recipes

Continue the recipe review process until you have updated all of the recipes.

Remember: This process is a cycle and will have to be completed multiple times throughout the year

- New products
- Product formulation changes
- Errors found
- Products removed from order guide
- Student preferences
- Change to meal component contribution needed









Menus

Ingredients Enter/Modify Menus Recipes Menu List/Print Search and Replace Menu Item Menus Cycle Menu Entry Cycle Menu List/Print Production Search and Replace Cycle Menu Item Menu Names & Nutrient Standards Costing School Sites/Buildings Conversions Menu Planning - Production Site Assignments Exit





- The way menus are entered varies drastically between nutrient analysis software companies, so we are not able to go far in depth in this presentation.
- Two main analysis points for menus:
 - Weekly nutrient contributions compared to the meal pattern standard
 - Daily and weekly component contributions
 - *This means that your nutrient analysis reports usually come in 2 parts.



- Before entering any menus into nutrient analysis software, you need the following information from schools:
 - School and/or District Name
 - Meal period and age/grade group
 - Info on offer vs serve
 - Suppler/distributor info
 - Average number of students served daily
 - Info on source of recipe (MRS vs developed by district)
 - Info for individual food items (Item name, MRS number or recipe, number of forecasted servings, any changes made to recipes)



- USDA requires that a weighted average be utilized to calculate nutrient contribution. This is so that the most frequently selected items carry the most weight in nutrient calculations.
- Example: A child may select a side of sweet potato or a side of green beans.
 - 1 cup sweet potato= 114 calories (selected by 40 students)
 - 1 cup green beans= 31 calories (selected by 10 students)

Simple Average		Weighted Avera	ge
114 kcal x 50%	57 kcal	114 kcal x 80%	91.2 kcal
31 kcal x 50%	15.5 kcal	31 kcal x 20%	6.2 kcal
TOTAL	72.5 kcal	TOTAL	97. 4 kcal





- How does a school know how to determine weighted averages?
 - Look at previous production records/red book
- As long as the <u>estimate</u> is reasonable, the forecasted number of servings is appropriate to utilize as a weighted average.

Remember: It is not accurate to guess the information or just analyze the menu using simple averaging.



Food Items that need to be included in a nutrient analysis:

- All food items served
- Milk (must know varieties offered)
- Condiments
- Extra food

*Do not include adult meals or special diet accommodations.



Worksheet for Request for Nutritional Analysis

If you are requesting the nutritional analysis for both lunch and breakfast menus or different menus for multiple schools, please complete a worksheet for each school and meal period.

Section A: School Information



6) On average, how many reimbursable meals do you serve daily for this meal period?

Section B: Menu

1) Are you using Mississippi Recipes for Success?



*If no, please include a copy of your standardized recipes when submitting the worksheet.

*If you changed the portion sizes or ingredients from what is stated in the MRS cookbooks, please provide that information.

2) Please input your weekly menu into the chart below. For the chart to be complete, each menu item must have the item name, MRS #, and forecasted number of servings. An example is provided below.

Item: Mandarin Chicken MRS #: 3055 Forecasted number of servings: 135

Information pertaining to weighted averages: A weighted nutrient analysis gives more weight to nutrients in foods that are more frequently selected by students. Weighted analysis allows for a greater contribution of nutrients to come from menu items that are selected more often and less nutrient contribution from those menu items selected less often.



D	ay 1	D	ay 2	Γ	Day 3	Ι	Day 4	I	Day 5
			2		-				
Item:		Item:		Item:		Item:		Item:	
MRS:		MRS:		MRS:		MRS:		MRS:	
Servings:		Servings:		Servings:		Servings:		Servings:	
Item:		Item:		Item:		Item:		Item:	
MRS:		MRS:		MRS:		MRS:		MRS:	
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Note: If doing multiple meal periods or weeks, a new worksheet will need to be completed for each meal period and week needing to be analyzed.



Menus

Example of menu items entered- Make sure the MRS number and correct distributor are selected.

, 0	rct 4,2022				C Portion	Size (Weighted V 	alues
	Recipe Name	Portion Size	Reim- burse	Ala Carte	CALS	mg Sodm	Tot Fat Grams	Tot Fat CALS%
	Chicken Stir Fry w/Rice M3150	1 serving	211	0	296	328	6.9	21.1%
2	Green Peas, Canned M6035	1/2 cup	211	0	97	211	2.3	21.3%
}	Pineapple Tidbits M6890	1/2 cup	211	0	72	1	0.1	1.2%
1	Milk, FF Choc 1/2 pint PF M120	1/2 pint	105	0	65	60	0.0	0.0%
;	Milk, LF White 1/2 pt, PF M110	1/2 pint	106	0	50	60	1.3	22.5%
j j	Rice, Brown M7090	1/2 cup	211	0	107	99	0.6	5.0%
,								
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I								
0								
1								
2								
3								
4								
5								
6								
-	Meal Totals :		211		687	760	11.2	14.6%



Once you have entered all menu items, we need to enter weighted averages.

• Weighted averages can be entered in 2 ways:

1) Meal Total can be listed as 100 to represent percentages.

2) Meal Total can be listed as the number of students served.

- Review each menu item and add weighted averages into the "reimburse" column.
- Remember: This is a forecasted number of servings based on prior production records and good estimates.



Example of reimbursement numbers- Make sure you have weighted averages selected!

In this example, the kids may be receiving straight-plate and have no choices. If they are not, this example likely has errors in weighted averaging.

Notice that chocolate and white milk are split 50%-50%. This is likely incorrect!

e, (Oct 4,2022				C Portion	Size	 Weighted V 	alues/	
	Recipe Name	Portion Size	Reim- burse	Ala Carte	CALS	mg Sodm	Tot Fat Grams	Tot Fat CALS%	^
1	Chicken Stir Fry w/Rice M3150	1 serving	211	0	296	328	6.9	21.1%	
2	Green Peas, Canned M6035	1/2 cup	211	0	97	211	2.3	21.3%	
3	Pineapple Tidbits M6890	1/2 cup	211	0	72	1	0.1	1.2%	
4	Milk, FF Choc 1/2 pint PF M120	1/2 pint	105	0	65	60	0.0	0.0%	
5	Milk, LF White 1/2 pt, PF M110	1/2 pint	106	0	50	60	1.3	22.5%	
6	Rice, Brown M7090	1/2 cup	211	0	107	99	0.6	5.0%	
7									
8									
9									
10									
11									_
12									_
13									_
14 15									
15									
10									~
	Meal Totals :		211		687	760	11.2	14.6%	
aste	risk denotes nutrients with either missing or inco	mplete nutrient data.		•				Þ	





MS Department of Education

Sep 26, 2022 thru Sep 30, 2022

Generated on: 10/4/2022 4:47:12 PM

Base Menu Spreadsheet

Weighted Values - Detailed

Page 1

	Portion Size	Reimb Qtv	Cals (kcal)	Cholst (mg)	Sodm (ma)	Fiber	Iron (ma)	Calcm (mg)	Vit-A	Vit-C	Sugars (0)	P rotn	Carb	T-Fat	S-Fat	Tr-Fat ¹ (g)
Mon - 09/26/2022	0120		(nour)	(11)97	(0097	(9/	(III)	(III)	(107	(0.047		(97	(9/	(97	(97	(9/
Midtown PCS Lunch	Total	211														
Philly Steak on Hoagie M4315	1 Each	211	301	39	892	3.47	9.22	105.1	369	15.52	6	21.0	32.91	10.05	4.33	0.00
Potato Rounds, Baked M6095	1/2 cup	211	142	0	193	1.02	0.37	0.0	0	0.0	0	1.02	16.25	7.11	1.02	0.00
Pickle Spear, Portion M8240	1 spear	211	4	0	369	0.00	0.00	0.0	0	0.0	0	0.0	1.0	0.0	0.00	0.00
Pineapple Tidbits M6890	1/2 cup	211	72	0	1	0.96	0.34	16.8	46	11.42	15	0.5	18.87	0.1	0.01	0.00
Milk, LF White 1/2 pt, PFM 110	1/2 pint	106	50	8	60	0.00	0.00	150.7	251	0.6	6	4.02	5.53	1.26	0.75	0.00
Milk, FF Choc 1/2 pint PF M120	1/2 pint	105	65	2	60	0.00	0.00	141.8	249	0.6	11	3.98	11.45	0.0	0.00	0.00
Mustard, PC M8015	1 pouch	211	4	0	66	0.11	0.10	4.0	0	0.03	0	0.19	0.29	0.22	0.01	0.00
Mayonnaise PC Reduce Fat M8010	PC Packet	211	31	4	84	0.00	0.02	0.7	6	0.0	0	0.08	0.61	3.04	0.47	0.00
Ketchup PC M8000	1 each	211	10	0	85	0.00	0.00	0.0	0	0.0	2	0.0	3.0	0.0	0.00	0.00
Weighted Daily Average			679	53	1809	5.56	10.04	419.1	921	28.17	40	30.79	89.91	21.77	6.59	0.00
% of Calories											23.7%	18.1%	53.0%	28.8%	8.7%	0.0%
Nutrient Guideline			600-650		1230										<10.00	
Tue - 09/27/2022	1															
Midtown PCS Lunch	Total	211														
Nachos Grande M1075	1 serving	211	339	41	842	1.81	1.64	133.5	217	2.86	4	13.12	26.73	19.93	6.84	0.00
Milk, LF White 1/2 pt. PF M 110	1/2 pint	105	50	7	60	0.00	0.00	149.3	249	0.6	5	3.98	5.47	1.24	0.75	0.00
Milk, FF Choc 1/2 pint PF M120	1/2 pint	106	65	3	60	0.00	0.00	143.2	251	0.6	11	4.02	11.55	0.0	0.00	0.00
Hot Apples M6520	1/2 cup	211	117	0	190	0.81	1.17	0.5	339	0.97	19	0.4	21.67	3.56	1.46	0.00
Whole Kernel Corn, 3/4 c M6010	3/4 cup	211	128	Ō	152	2.63	*0.06	*0.9	*183	*0.04	9	2.6	22.03	5.26	1.10	0.00
Weighted Daily Average			699	50	1304	5.25	*2.87	*427.4	*1239	*5.07	49	24.12	87.45	30.00	10.14	0.00
% of Calories											27.9%	13.8%	50.1%	38.6%	13.1%	0.0%
Nutrient Guideline			600-650		1230										<10.00	
Wed - 09/28/2022																
Midtown PCS Lunch	Total	211														

WCG - 03/20/2022																	
Midtown PCS Lunch	Total	211															
Fish Sandwich Baked M4180	1 each	211	330	30	590	5.00	2.16	120.0	5	0.0	6	19.0	43.0	10.0	1.50	0.00	
Chilled Mandarin Oranges M6795	1/2 cup	211	76	0	7	0.87	0.46	8.7	1041	24.55	19	0.56	20.07	0.12	0.01	0.00	
Milk, FF Choc 1/2 pint PF M120	1/2 pint	105	65	2	60	0.00	0.00	141.8	249	0.6	11	3.98	11.45	0.0	0.00	0.00	
Milk, LF White 1/2 pt, PF M 110	1/2 pint	106	50	8	60	0.00	0.00	150.7	251	0.6	6	4.02	5.53	1.26	0.75	0.00	
Turnip Greens, 3/4c M5640	3/4 cup	211	85	1	131	3.25	1.24	131.9	2925	7.98	2	3.73	5.15	5.0	0.37	0.00	
Weighted Daily Average			606	41	848	9.12	3.86	553.1	4472	33.73	43	31.28	85.19	16.38	2.64	0.00	
% of Calories											28.6%	20.7%	56.3%	24.3%	3.9%	0.0%	
Nutrient Guideline			600-650		1230									()	<10.00		

N/A • denotes a nutrient that is either missing or incomplete for an individual ingredient

* - denotes combined nutrient totals with either missing or incomplete nutrient data

* Trans Fat value is provided for informational purposes only, not for monitoring purposes.

NOTICE: The data contained within this report and the NUTRIKIDS® Menu Planning and Nutritional Analysis software should not be used for and does not provide menu planning for a child with a medical condition or food allergy. Ingredients and menu items are subject to change or substitution without notice. Please consult a medical professional for as is tance in planning for or treating medical conditions.

MISSISSIPPI DEPARTMENT OF EDUCATION

Menus

- Things to look at:
 - Weekly target for calories (range)
 - and correction needs
 - Weekly maximum for sodium and correction needs
 - Saturated fat % (maximum)
 - Weighted averages
 - Added sugar

MS Departm		Jucation										Jeh	20, 2		iiu S	ch 20	, 2022
Base Menu Spre	adsheet														Midto	wn PC	S Lunch
Weighted Values	s - Detailed																
Page 3														Gene	rated on: 1	0/4/2022	4:47:12 PM
		Portion	Reimb	Cals	Cholst	Sodm	Fiber	Iron	Calcm	Vit-A	Vit-C	Sugars	P rotn	Carb	T-Fat	S-Fat	Tr-Fat ¹
		Size	Qty	(kcal		(mg)	(q)	(mg)	(mq)	(IU)	(mg)	(q)	(q)	(q)	(q)	(q)	(q)
Nutrient	Menu AVG	% of Cals	WeeklyTa		% of Target	Miss Data	Shortfa		Overage	Error Mes							
Calories	655		600 -	650	101%				5	Correction	n Require	d - Calories	too High				
Cholesterol (mg)	48																
Sodium 1 (mg)	1210 1210		1	1230 935					075	C		d. Cadium					
Sodium 2 (mg)				935					275	Correction	n Require	d - Sodium	too High				
Fiber (g) Iron (mg)	8.80 5.12					Missing											
Calcium (mg)	427.9					Missing											
Vitamin A (IU)	2797					Missing											
Sugars (g)	44	26.95%				missing											
Vitamin C (mg)	30.89	20.0070				Missing											
Protein (g)	29.86	18.23%				mooning											
Carbohydrate (g)	93.10	56.83%															
Total Fat (g)	18.94	26.01%															
Saturated Fat (g)	5.64	7.75%	<10.	00%													
Trans Fat1 (g)	0.00	0.00%															

NA denotes a nutrient that is either missing or incomplete for an individual ingredient * denotes combined nutrient totals with either missing or incomplete nutrient data * Trans Fat value is provided for informational purposes only, not for monitoring purposes.

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Menu Cycle Week – Nutrient Analysis

Menu Cycle: Week: 1

Result: Fail

Cycle Week Nutrient S			
Nutrient	Weekly Standard Value	Actual Value	% of Calories
Calories (Kcal)(1)	[600.00 - 700.00]	0.00	
Total Fat (g)		0.00	
Sat Fat (g)(1)	< 10.00 % of Calories	0.00	
Trans Fat (g)(2)		0.00	
Chol (mg)		0.00	
Sodium Target 1A (mg) (1)	<= 1,225.00	0.00	
Carb (g)		0.00	
Total Fiber (g)		0.00	
Total Sugars (g)		0.00(M)	
Added Sugars (g)		0.00(M)	
Protein (g)		0.00	
Iron (mg)		0.00(M)	
Calcium (mg)		0.00(M)	
VitA (IU)		0.00(M)	
VitC (mg)		0.00(M)	
VitD (mcg)		0.00(M)	
Potassium (mg)		0.00(M)	
Mois (g)		0.00(M)	
Ash (g)		0.00(M)	

Manu Cycle Wook - Nutriant Analysis

Generated on: 6/23/2025 3:38:14 PM by Betsy Pennington

Menu Cycle We		-	-		-												8:14 PM b		
Menu Item (Serving Size)	Plan Qty	Calorie s (Kcal)	Total Fat (g)	Sat Fat (g)		Chol (mg)	Sodium (mg)	Carb (g)	Total Fiber (g)	Total Sugars (g)		Protein (g)	Iron (mg)	Calciu m (mg)	VitA (IU)	VitC (mg)	VitD (mcg)	Potassi um (mg)	Mois (g)
Administrative Review for Resurrection Catholic: Lunch 9-12 November Monday- BRP - Day: 1	50																		
Category: Entrees; May C	Choose: 1																		
Fajita Chicken Wrap, WGR, Briggs, MRS #4345 - 4345 Briggs (1 wrap)	0	280.17	10.45	5.90	0.00	58.12	556.59	23.11	2.00	2.04	1.00	23.86	1.48	219.30	0.00(M)	0.00(M)	0.00(M)	182.59 (M)	(M)
Hamburger Steak with Gravy, 2 ounce, Briggs, MRS 1015 - 1015 Briggs (1 steak)	0	171.73	11.32	4.77	0.00	38.00	409.98	5.89	1.60	1.20(M)	0.00(M)	13.10	2.22	40.21	51.30	0.32	(M)	(M)	(M)
Category: Grains; May Ch	noose: 1																		
DISCONTINUED Crackers, Saltine, Enriched, Merchants, MRS #7020 - 7020 Merchants (2 pkg.)	0	91.74	1.83	0.00	0.00	0.00	293.33	16.50	1.83	0.00	(M)	1.83	0.66	0.00	0.00	0.00	(M)	(M)	(M)
Yellow Cornbread, 2 oz. eq. Enriched Grain, MRS #7055 - 7055 (1 pcs.)	0	194.68	3.97	1.62	0.00	40.49	335.85	35.28	1.08	6.81	0.00(M)	5.55	1.58	57.20	320.53 (M)	0.00(M)	0.00(M)	27.52 (M)	(M)
Category: Vegetables; Ma Choose: 2	ay																		
Lima Bean, Frozen, MRS #5525 - 5525 (1/2 c.)	0	117.46	1.78	0.73	0.00	0.00	235.10	20.26	6.08	1.01	0.00(M)	5.06	1.33	30.74	121.69	4.06	0.00(M)	222.42 (M)	(M)
Southern Turnip Greens (Frozen), MRS #5640 - 5640 (1/2 c.)	0	47.67	2.26	0.25	0.00	0.50	144.30	3.63	2.29	0.09	0.00	2.66	1.16	111.98	32506.7 9(M)	23.62 (M)	0.00(M)	95.97 (M)	(M)
Category: Fruits; May Ch	oose: 2																		
Fresh Fruit Bowl, MRS #6715 - 6715 (1 ea.)	0	90.99	0.27	0.06	0.00	0.00	1.19	23.70	3.96	14.13	0.00	0.92	0.24	20.90	127.21	23.81	(M)	(M)	(M)
Tropical Fruit, Canned, MRS #6745 - 6745 (1/2 c.)	0	56.88	0.00	0.00	0.00	0.00	11.38	13.65	2.27	10.24	7.51	0.00	0.00(M)	0.00	0.00	0.00	0.00(M)	0.00(M)	0.00(M)
Category: Milk; May Choo	ose: 1																		
Milk, 1%, Unflavored, 1/2 Pint, Prairie Farms MRS 110 - 110 Prairie Farms (1 Carton (8)	0	100.00	2.50	1.50	0.00	15.00	120.00	11.00	0.00	11.00	0.00	8.00	0.00	250.00	750.00	0.00(M)	3.00	376.00	0.00(M)
Milk, Fat Free, Chocolate, 1/2 Pint, Prairie Farms MRS 120 - 120 Prairie Farms (1 Carton (8)	0	110.00	0.00	0.00	0.00	5.00	210.00	19.00	0.00	18.00	7.00	8.00	0.00	200.00	750.00	0.00(M)	3.00	376.00	0.00(M)
Administrative Review for Resurrection Catholic: Lunch 9-12 November Tuesday- BRP - Day: 2	50																		



After all menu items are entered, you need to create menu pairings based on the features in your software.

Day	Menu Choice 1	Menu Choice 2	Additional Information
Example Meal Grouping	Hamburger Green Beans French Fries Apples Bananas Milk Selection	Baked Ham Whole Grain Roll Green Beans French Fries Apples Bananas Milk Selection	This example shows that the students can either pick up a hamburger or baked ham and a roll. They are also allowed to choose from a variety of vegetables, fruit, and milk.
Monday			
Tuesday			



- What to look at:
 - Minimum meal components are met daily
 - Weekly requirements are met
 - 80% whole grain rich
 - Grain-based desserts
 - Veggie Subgroups
 - Juice percentages
 - Milk selection

Menu Preview															. 🗆
🖪 <u>C</u> lose 🖨 Print															
M -															
5 Day Week	Mon 9/26/22	Tue 9/27/22	Wed 9/28/22	Thu 9/29/22	Fri 9/30/22			Weekly Total	Weekly Rgmt.	Weekly Rgmt. Check	Weekly Fruit Juice Limit Check (<= half of	Total Weekly Fruit	Total Weekly Fruit Juice	Fruit that is Juice	Week Rqm Chec
Fruit: Minimum (cups)	0.5	0.5	0.5	0.5	0.5			2.5	2.5	Yes	total fruit)	2.5	0	0.00%	Yes
Vegetables: Minimum (cups)	0.75	0.875	0.75	0.625	1			4	3.75	Yes	Weekly Vegetable Juice Limit	Total Weekly Veg.	Total Weekly Veg. Juice	% of Total Weekly Veg. that is Juice	Weekl Rqmt. Check
-Dark Green	0	0	0.5	0	0			0.5	0.5	Yes					
-Red/Orange	0	0	0	0.125	1			1.125	0.75	Yes					
-Legumes	0	0	0	0.5	0			0.5	0.5	Yes	Check (<= half of total				
-Starchy	0.5	0.5	0	0	0			1	0.5	Yes	Nairortotai Veg]				
-Other	0.25	0.125	0	0	0			0.375	0.5	NO	, og)	4	0	0.00%	Yes
Meat/MeatAlt: Minimum (oz eq)	2	2	2	2	2			10	9	Yes					
Meat/Meat Alt: Maximum (oz eq)	2	2	2	2	2			10	10	Yes					
Grain: Minimum (oz eq)	2	1	3	2	1			9	8	Yes					
Grain: Maximum (oz eq)	2	1	3	2	1			9	9	Yes					
Grain Based Dessert Total for all weekly meals									No more than 2 oz	Yes					
Whole Grain Rich Weekly Amount	Weekly Grains Total	9	Weekly Whole Grain	9	% of Whole Grain	100%			80% whole grain rich	Yes					
	Mon 9/26/22	Tue 9/27/22	Wed 9/28/22	Thu 9/29/22	Fri 9/30/22			Weekly Total	Weekly Rgmt.	Weekly Rqmt. Check					
Milk: Minimum (cups)	2	2	2	2	2			10	5	Yes					
Variety: Skim/Fat-free unflavored, Skim/fat-free flavored, Low-fat (1% or less) unflavored, Low-fat (1% or less) flavored	Yes	Yes	Yes	Yes	Yes										
Reduced fat(2%) or whole, unflavored and flavored															

**Cells with this background color signify Requirements not being met!



Menu Cycle Week – Meal Components

Generated on: 6/23/2025 3:37:01 PM by Betsy Pennington

Menu Cycle Name: Site Group: CNP Serving Group: 6-8

Meal Pattern: [USDA]Meal Pattern SY 2014+ Meal Type: Lunch

Fruit (cups)		Day 1		Day 2			Day 4	D	Day 5		ly Total	Weekly Req	uirement	Weekly Check		
Fruits		1.000 (Pass)	Pass) 1.000 (Pass) 1.000 (Pass)		1.000 (Pass)		1.000 (Pass)		5.000		≥ 2.500	Pass		
Weekly Fruit Juice Limit Requirement			Weekly Fruit Offering			w				ekly Fruit	that is Juice		Weekly Check			
≤ 50.000 % of			5.000					0.000			0.000%)%		Pass	
Vegetables (cups)		Day 1	Day 2		Day 3		Day 4	D	Day 5		Weekly Total		uirement	Weekly Check		
Vegetables (cups)	[1.000 -	- 1.125] (Pass)	1.00	0 (Pass)	[1.000 - 1.125] (Pass)		[1.500 - 2.375] (Pass)	[1.500 -	1.875] (Pass)	(6.000 - 7.50			≥ 3.750	Pass		
Dark Green		0.500		0.000		0.000	0.750		0.750		2.000		≥ 0.500		Pass	
Red/Orange		0.125		0.000		0.125	0.750	0.500		1.500		≥ 0.750		Pass		
Beans, Peas and Lentils		0.000	0.500		0.000		0.000	0.000		0.500) ≥ 0.500		Pass		
Starchy		0.500	0.500		0.500		0.000		0.750		2.250) ≥ 0.500		Pass	
Other		0.000	0.000		0.500		1.125		0.625		2.250		≥ 0.500		Pass	
Extra		0.000	0.000		0.000		0.000	0.000		0.000) ≥ 0.00		Pass		
Additional Vegetables Weekly			egetable Juice Limit Requirement		Weekly Vegetables		Offering Week	Vegetable Juice Offering		% of Weekly Vegetal Juice		bles that is V		Weekly Check		
	3.1	250	≤ 50.	000 % of			7.500		0.000			0.00%			Pass	
M/MA (oz eq.)	Day 1		Day 2		Day 3		Day 4	Day 5		Weekly Total		Weekly Requirement		Weekly Check		
Meat/Meat Alternates	[2.000 -	- 2.500] (Pass)	2.000 (Pass)		2.000 (Pass)		2.000 (Pass)	2.000 (Pass)		[10.000 - 10.500]		[9.000 - 10.000] Exceeded		
Grains (oz eq.)		Day 1	Day 2		Day 3		Day 4	Day 5		Weekly Total		Weekly Req	uirement	ement Weekly Check		
Grains (oz eq.)	[2.000 -	- 2.500] (Pass)	[2.000 - 3.000] (Pass)		2.000 (Pass)		[1.000 - 3.000] (Pass)	[1.000 - 2.000] (Pass)		[8.000 - 12.500]		[8.000 - 10.00		D] Exceeded		
Weekly Whole Grain Rich Weekly Grai				Non-Whole Grain ich Offering		% of Whole Grain Ric	Whole Grain Rich				d Dessert To Veekly Meals		No More Than 2oz eq. of Grain Based Desserts			
≥ 80.000 % of			22.500		5.000		77.77	3%		Fail		0.000		Pass		
Milk (cups)	Day 1		Day 2		Day 3		Day 4	D	Day 5		Weekly Total		uirement	Weekly C	heck	
Varieties of Milk	Pass		Pass		Pass		Pass	Pass								
Skim/fat-free, unflavored																
Skim/fat-free, flavored	Served		Served		Served		Served	Served								
Low-fat (1% or less), unflavored		Served		Served		Served	Served		Served							
Low-fat (1% or less), flavored																
Reduced fat (2% fat) or whole. unflavored																



Menus

Forecast! Forecast! Forecast!

Remember: This process is a cycle and will have to be completed multiple times throughout the year

- New recipes created
- Student preferences
- Provide variety to students
- Control inventory/use USDA foods
- Control expenses
- Equipment or staffing changes











Betsy Redfern Pennington, MS, RD, LD

Lead Registered Dietitian Nutritionist bpennington@mdek12.org







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Fors AD-475-A Aveiled Role & Revised September 221

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Para presentar una queja por discriminación en el programa, el reclamante debe completar un formadario AD-3027, Formulano de queja por discriminación del programa del USDA, que os puedo USDA OLSC/PRISOPI-Completan Estima consta ante (1975), Completan Estano del USDA, la carta debe contanza el anostar, el metiona del USDA, la carta debe contanza el anostario del tabla el tamando al (Riol), debe contanza el anostario del tabla el tablaca esta debe contanza el anostario del tabla el tablaca debe contanza el anostario del tabla el tablaca descriminatoria con anforcian del tabla el tablaca esta del construcción y al número de tablacion del realmanza, y una desoripción secinta de la supusata acición descriminatoria con anforcian del dale para informa el Observatoria de Duechos Chiles (ASCR, por sua egista en inglia) estas la naturalizza y la forda de la preuntaria violación de de derechos chiles. La carta o el formalario AD-3027 completado debe anviarse al USDA por medio des

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rac. (833) 256-1655 o (202) 690-7442; correo electrónico: program.intake@usda.gov. Esta institución ofrece igualdad de oportunidades

Aliche complementate al Formulate Ali-473-4./ Revisedo Septemb e 2019

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