## Menu Planning for Child Nutrition Programs

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July 20, 2023


## VISION

## MISSION

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

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

## State Board of Education strategic plan goals


$\xrightarrow[\text { Ingredients } \longrightarrow \text { Recipes } \longrightarrow \text { Menu } \longrightarrow \text { Menu Analysis and Revision }]{ }$

## State Purchasing Program

+ Product information already obtained by MDE
+ Products selected with nutrient standards in mind
- Smaller organizations may not have capacity to purchase bulk orders that are needed

Purchasing from Distributor, manufacturer, grocery store, etc.

- Menu planner must obtain all nutrient and crediting information
- Products featured in MRS do not necessarily have the same nutrient or crediting information


## Ingredient Documentation

## Nutrition Facts Label

| Mutitilon Facts |  |
| :---: | :---: |
| 8 servings per container |  |
| Serving size 2/3 cup | 2/3 cup (55g) |
| Amount per serving Calories | 230 |
|  | \% Dally Value* |
| Total Fat 8 g | 10\% |
| Saturated Fat 1g | 5\% |
| Trans Fat Og |  |
| Cholesterol 0mg | 0\% |
| Sodium 160 mg | 7\% |
| Total Carbohydrate 37g | 37 g 13\% |
| Dietary Fiber 4 g | 14\% |
| Total Sugars 12 g |  |
| Includes 10g Added Sugars | ed Sugars $\quad \mathbf{2 0 \%}$ |
| Protein 3g |  |
| Vitamin D 2 mcg | 10\% |
| Calcium 260 mg | 20\% |
| Iron 8 mg | 45\% |
| Potassium 235mg | 6\% |
| The \% Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 cal ories a day is used for general nutrition advice. |  |

## Product Formulation Statement



## Child Nutrition Label

$$
574321
$$

This 3.2 oz fully cooked breaded Chicken Breast patty provides 2.0 oz equivalent meat/meat alternate and
1 serving grain/bread for the Child Nutrition Meal Pattern Requirements. (Use of this logo and statement authorized by the Food and Nutrition Service, USDA 10-04)

$$
-\mathrm{CN}
$$

## When is a Product Formulation Statement/Child Nutrition Label needed?

- When a commercial product's ingredients and nutrition facts label do not provide sufficient information to determine crediting of the product, a product formulation statement or a child nutrition label is needed!
- Prepackaged/preprepared combination items (pizza, burritos, soup)
- Breaded meat and poultry products
- Processed meat (sausage, hot dogs, corn dogs, sandwich meat)
- Some grains- if unsure of whole grain content
*TIP: If you do not know exactly what is in a product and the crediting information for each ingredient, you need a product formulation statement or CN label to determine crediting.
- Search the internet for manufacturer website
- If a company commonly serves the k12 market, they will likely have their crediting documentation online.
- Directly contact manufacturer for information
- If you are purchasing all products from the state purchasing program, MDE is maintaining the appropriate ingredient documentation.

Common High Sodium Foods:

- Frozen items
- Canned soup
- Sauces and seasonings
- Pickles
- Sausage and Luncheon Meats
- Veggies with added salt

WWatch for hidden sodium in vegetables!


Key Phrase: No Salt Added

| Nutrition Facts |
| :---: |
| about 3.5 servings per container Serving size $1 / 2 \operatorname{cup}(120 g)$ |
| Amount per serving Calories <br> 20 |
| \% Daily Value* |
| Total Fat $0 \mathrm{~g} \quad \mathbf{0 \%}$ |
| Saturated Fat $0 \mathrm{~g} \quad \mathbf{0 \%}$ |
| Trans Fat Og |
| Cholectarol 0 ma - 0\% |
| Sodium 15mg |
| Total Carbohydrate $4 \mathrm{~g} \quad 1 \%$ |
| Dietary Fiber 2g |
| Total Sugars 2g |
| Includes 0g Added Sugars 0\% |
| Protein 1 g |
| Vitamin D Omog 0\% - Calcium 30mg 2\% |
| 1ron $0.4 \mathrm{mg} 2 \%$ - Polassium 100mg 2\% |

Be careful about the serving size you select. No more than $1 / 2$ of the total requirement may be met with full- strength fruit juice.

$100 \%$ juice do not meat program meal requirements!


GLUTEN F EEE • CONTAINS 48\% JUICE Nutrition Facts Serv. size: 1 Bottle Amount per serving: Calories 60, Total Fat $0 \mathrm{~g}(0 \%$ DV), Sodium 5 mg ( $0 \%$ DV), Total Carb. $14 \mathrm{~g}(5 \% \mathrm{DV})$, Total Sugars 13 g (Incl. 0 g Added Sugars, $0 \%$ DV), Protein 0g, Iron ( $2 \%$ DV), Potas. ( $4 \%$ DV), Vit. A ( $10 \%$ DV), Vit. C ( $35 \%$ DV), Vit. E ( $10 \%$ DV). Not a significant source of sat fat, trans fat, cholest, fiber, vit. D and calcium. Water, APPLE JUICE CONCEETRAATE, NATUURAL FLAVORSS, ASCOBBIC ACID
 VTAMN A APALMTATEE
PER 8 L O2: :HIS PROUCT 13 g SUGAB; 100\% APLE JUCEE 27g SUGAR


## Nutrition Facts Serv. size: 1 Bottle

 Amount per serving: Calories 120, total Fat 0 g (0\% DV), Sodium 30mg (1\% DV), Total Carb. 29g (10\% DV), Total Sugars 28 g (Incl. 0 g Added Sugars, $0 \%$ DV), Protein 0g, Iron ( $6 \%$ DV), Potas. ( $6 \%$ DV) Vit. C ( $100 \% \mathrm{DV}$ ). Not a significant source of sat fat, trans fat, cholest, fiber, vit. D and calcium. WATER, APPLE JUICE CONCENTRATE, ASCORBIC ACID (ITAMIN C).Products that contain at least 50\% whole grains and the remaining $50 \%$ whole grain or enriched grain are considered whole grain rich.

Whole grain rich products must make up at least $80 \%$ of grains served.

Wif a whole grain is not the first ingredient, it is likely not a whole grain rich product.

INGREDIENT : ENRICHED FLOUR (WHEAT FLOUR,
NIACIN, RED COD IDON THIAMIMI MONONITRATE RIBOFLAVIN, FOLIC ACID), HIGH OLEIC CANOLA AND
SOYBEAN OIL WITH TBHQ AND CITRIC ACID FOR FRESHNESS, SUGAR, WHOLE WHEAT FLOUR,
DEFATTED WHEAT GERM, CONTAINS 2\% OR LESS OF: SALT, OAT BRAN, HIGH FRUCTOSE CORN SYRUP, LEAVENING (SODIUM ACID PYROPHOSPHATE, BAKING SODA, MONOCALCIUM PHOSPHATE), DEGERMINATED YELIOW CORN FLOUR, CORN SYRUP, CORN STARCH, SOY LECITHIN, SODIUM SULFITE.
CONTAINS WHEAT AND SOY. MAY CONTAIN TRACES CONTAINS WHEAT AND SOY. MAY CONTAIN TRACES OF MILK AND EGGS.


## Mississippi Recipes for Success

+ Crediting information already calculated
+ Recipe already standardized
- Will need to match products if not on state purchasing program

Menu Planner Writes Recipes

- Menu planner must obtain all nutrient and crediting information (may require math from info available in Food Buying Guide)
- Menu planner must standardize all recipes, including CCP information

Remember: Recipes should be easily accessible and frequently referenced while cooking!


- Based off of the state purchasing program order guide
- Contain crediting information, portion size, and number of portions
*If you are not using the state purchasing program, you might have to adjust the recipe to ensure proper crediting and nutrition facts, but MRS is a great tool for anyone to use!


## Mississippi Recipes for Success

Source: MRS 2023
meal component contribution:
2oz. eq. meat/meat alternate, 2 oz eq. whole grains, and
dumer or orange vegetab
NUMBER OF PORTIONS: 96 SIZE OF PORTION: 1 slice

INGREDIENT
Pizza, Meateaters, WGR, Precut \#1109

## DIRECTIONS

1. Keep pizza frozen until ready to bake.
2. Line $18^{\prime \prime} \times 26^{\prime \prime}$ sheet pans with pan liners.
3. Place pizza on lined sheet pans.
4. Bake 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 the package or case have a higher temperature, follow those recommendations.
5. 5. Portion one slice of pizza with a spatula onto a plate or tray 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 ever 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.

## NUTRIENTS PER SERVING

Calories 351

Carbohydrates 28.00 | Dietary Fiber | 3.00 g | Sodium |
| :--- | :--- | :--- |

PDATED: $5 / 16 / 23$ DEVELOPED BYTHE MISSISSIPPI DEPARTMENT OF EDUCATION, OFFICE OF CHLD NUTRTIION PROGRAMS

- All recipes can be viewed online or printed in PDF form.


## Mississippi Recipes for Success

Source: MRS 2023

## MEAL COMPONENT CONTRIBUTION:

2 oz . eq. meat/meat alternate, 2 oz . eq. whole grains, and 1/8 cup red/orange vegetable NUMBER OF PORTIONS: 96 SIZE OF PORTION: 1 slice RECIPE HACCP PROCESS: \#2 - Same day service

INGREDIENT
Pizza, Meateaters, WGR, Precut \#1109

MRS: 2015 - Pizza (2000s)

## MEAT LOVERS PIZZA

## MEASURE (FOR 96 SERVINGS)

96 slices

- Source: Year in which recipe was last updated
- MRS: Number of recipe (record in your red book)
- Ingredient: Number on Purchasing Program Order Guide
- 4-digit numbers= MDE product
- 6-digit numbers= USDA product
- Meal Component Contribution: Use this information for documenting crediting in your red book


## MEAL COMPONENT CONTRIBUTION:

2 oz . eq. meat/meat alternate, 2 oz . eq. whole grains, and $1 / 8$ cup red/orange vegetable
NUMBER OF PORTIONS: 96 SIZE OF PORTION: 1 slice
RECIPE HACCP PROCESS: \#2 - Same day service

Products available through the state purchasing program are constantly changing, which can affect crediting (and nutrients). I recommend pulling recipes at least 2 times per year to get most updated recipe.

## Mississippi Recipes for Success

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meal component contribution:
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Leftovers should be covered, labeled, and dated. Quick chill within 2 hours to 70 degrees F or lower and from 70 to 41 degrees For lower within an additional 4 hours.

NUTRIENTS PER SERVING

| Calories |
| :--- |
| Carbohydrates |
|  |
| 2850 |
| 251 |

Carbohydrates 28.0 | Dietary Fiber | 3.00 g | Sodium |
| :--- | :--- | :--- |
| Protein |  |  | 723.00 m

17.00 g Sat. Fat 7.00 g
0.00 g

- Usually, the last step in an MRS recipe will explain serving size and crediting for the item.

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

Caution: If you do not serve the portion size specified in the recipe, you will not have the same crediting and nutrition facts.

- Nutrients per serving size is based off of MDE order guide products

| NUTRIENTS PER SERVING |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calories | 351 | Dietary Fiber | 3.00 g | Sodium | 723.00 mg | Sat. Fat | 7.00 g |
| Carbohydrates | 28.00 g | Protein | 21.00 g | Total Fat | 17.00 g | Trans Fat | 0.00 g |

Caution: If any ingredients, quantity of ingredients, or serving sizes or changes, the nutrients per serving will also change.

You will need to create standardized recipes if you are not using MRS recipes or if you make changes to current MRS recipes.

Changes that may require a new standardized recipe:

- Serving a different serving size
- Swapping ingredients (ex: using chicken for tacos instead of beef)
- Deleting ingredients
- Adding ingredients
- Utilizing ingredients that are different than what is analyzed in the recipe

| Name of | Ingredients | Ingredient |
| :--- | :--- | :--- |
| Recipe and | Include every | Amounts |
| Recipe | ingredient | Provide |
| Number | used to make | detailed |
| Use for recipe | the recipes, | amounts of |
| identification | including | each |
| in your red | garnishes. | ingredients. |
| book! |  |  |

Instructions
Make sure to indicate CCP information.

Crediting and Serving Instructions

Use the Food Buying Guide and ingredient documentation (nutrition facts labels, product formulation statements, child nutrition labels, etc.)

- Remember: The goal of planning menus is to meet meal pattern requirements. Consider:
- Components
- Remember requirements for whole grain \% and vegetable subgroups
- Nutrients (sodium, saturated fat, trans fat)
- Age/Grade group differences

Menu Planning Matrix


The menu planning matrixes are available on the menu planning tab of the MRS website.

- MENU MATRIXES

| Breakfast | MATRIX | WORKSHEET |
| :---: | :---: | :---: |
| Grades K-5 (No Choice \& Choices) | $\downarrow$ | $\downarrow$ |
| Grades 6-8 (No Choice \& Choices) | $\downarrow$ | $\downarrow$ |
| Grades 9-12 (No Choice \& Choices) | $\downarrow$ | $\downarrow$ |
| LUNCH | MATRIX | WORKSHEET |
| Grades K-5 (Ascending Ranges) | $\downarrow$ | $\downarrow$ |
| Grades K-5 (Mixed Ranges) | $\downarrow$ | $\downarrow$ |
| Grades 6-8(Ascending Ranges) | $\downarrow$ | $\downarrow$ |
| Grades 6-8(Mixed Ranges) | $\downarrow$ | $\downarrow$ |
| Grades 9-12 (Ascending Ranges) | $\downarrow$ | $\downarrow$ |
| Grades 9-12 (Mixed Ranges) | $\downarrow$ | $\downarrow$ |

[^0]- Select Matrix for appropriate grade level and meal period
- Decide if you would like to offer choices or keep the menu simple
- Ascending Ranges means that as the week progresses, you will serve higher calorie entrees
- Mixed Ranges means that you will have a mix of calorie ranges throughout the week



## LUNCH MATRIX

Grades K-5: Ascending Ranges (550-650 CALORIES)

|  | meal Components | day 1 | day 2 | day 3 | day 4 | day 5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| WEERYM/MA MNMMU: 8 oze eq. | MEAT/MEAT ALIERNATE- CHOICE $\# 1$ | Meat/MA B $200-249$ cal. | Meat/MA C 250-299 cal. | Meat/MA D $300-349 \mathrm{cal}$. | Meat/MA E 350-399 cal. | Meat/MAF $400+$ cal. |
| DAIYM/MA MNMMM: 1 ozeq. | $\begin{aligned} & \text { GRAIN- } \\ & \text { CHOICE \#1 } \end{aligned}$ | $\begin{aligned} & \text { Grain } \\ & \text { 2 oz. eq. } \end{aligned}$ | $\begin{gathered} \text { Grain } \\ 1 \text { oz. eq. } \end{gathered}$ | $\begin{gathered} \text { Grain } \\ 202 . \text { eq. } \end{gathered}$ | $\begin{aligned} & \text { Grain } \\ & \text { 20z. eq. } \end{aligned}$ | $\begin{gathered} \text { Grain } \\ \text { 2 oz. eq. } \end{gathered}$ |
|  | MEAT/MEAT ALIERNATE- CHOICE \#2 | Meat/MA B $200-249$ cal. | Meat/MA C 250-299 cal. | Meat/MA D $300-349 \mathrm{cal}$. | Meat/MAE 350-399 cal. | Meat/MAF $400+$ cal. |
| MNMMUM: $80 z . e q$. | $\begin{aligned} & \text { GRAIN- } \\ & \text { CHOICE \#2 } \end{aligned}$ | $\begin{aligned} & \text { Grain } \\ & 2 \text { oz. eq. } \end{aligned}$ | $\begin{aligned} & \text { Grain } \\ & 1 \text { oz. eq. } \end{aligned}$ | $\begin{aligned} & \text { Grain } \\ & 2 \text { oz. eq. } \end{aligned}$ | $\begin{gathered} \text { Grain } \\ 20 z \text { eq. } \end{gathered}$ | $\begin{gathered} \text { Grain } \\ 20 \mathrm{z} \text { eq. } \end{gathered}$ |
| DALYMIN: <br> 3/4 cup | VEGEABLE-CHOICE \#1 | Dark Green | Red/Orange | Peas/Beans | Starchy | Other |
| WEERYY MIN: 33/4cups | VEGEAABLE-CHOICE \#2 | Starchy | Other | Red/Orange | Dark Green | Starchy |
| $\begin{aligned} & \text { DHILYMN: } \\ & 1 / 2 \text { cup } \end{aligned}$ | FRUIT-CHOICE \#1 | Fruit B <br> $50-74$ cal. | Fruit C <br> 75.99 cal . | Fruit C <br> 75.99 cal. | Fruit C <br> 75.99 cal . | Fruit D $100+\mathrm{cal}$. |
| $\begin{aligned} & \text { WEEEXY MIN: } \\ & 21 / 2 \text { cups } \end{aligned}$ | FRUIT-CHOICE \#2 | Fruit C <br> 75.99 cal . | $\begin{aligned} & \text { Fruit B } \\ & 50-74 \text { cal. } \end{aligned}$ | Fruit B <br> $50-74 \mathrm{cal}$. | $\begin{aligned} & \text { Frit B } \\ & 50-74 \text { cal. } \end{aligned}$ | Fruit A <br> 0.49 cal . |
| DAILY MIN. <br> at least <br> 2 options <br> offered | MLK -CHOICE \#1 | Milk | Milk | Milk | Milk | Milk |
|  | MLLK -CHOICE \#2 | Milk | Milk | Milk | Milk | Milk |
|  | CONDIMENTS | Condiments | Condiments | Condiments | Condiments | Condiments |
|  | DESSERT |  |  |  |  |  |

Desserts included only if needed for calories
Grain based desserts must be credited as a grain component, a mauimum of 2 oz. eq. of grain based desserts may be menved per week.
SODIUM ALOWANCE: Offer Iunch menus that supply a weekly average of no more than the maximum sodium level for Grades K -
me from saturated fat
in order to achieve a weeky menu goal of less than 10 percent of total calories coming from saturated tat.
Please see your folder for a handout of this!

|  | MEAL COMPONENTS | DAY 1 | DAY 2 | DAY 3 | DAY 4 | DAY 5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| WEEKLY M/MA MINIMUM: | MEAT/MEAT ALTERNATECHOICE \#1 | Meat/MA B $200-249 \mathrm{cal} .$ | $\begin{aligned} & \text { Meat/MA C } \\ & 250-299 \mathrm{cal} . \end{aligned}$ | Meat/MA D $300-349 \mathrm{cal}$. | Meat/MA E <br> $350-399 \mathrm{cal}$. | Meat/MA F $400+$ cal. |
| DAILYM/MA | GRAINCHOICE \#1 | $\begin{gathered} \text { Grain } \\ 2 \mathrm{oz} . \mathrm{eq} . \end{gathered}$ | $\begin{aligned} & \text { Grain } \\ & 1 \text { oz. eq. } \end{aligned}$ | $\begin{gathered} \text { Grain } \\ 2 \text { oz. eq. } \end{gathered}$ | $\begin{gathered} \text { Grain } \\ 2 \text { oz. eq. } \end{gathered}$ | $\begin{gathered} \text { Grain } \\ 2 \text { oz. eq. } \end{gathered}$ |
| $1 \mathrm{oz} . \mathrm{eq} .$ | MEAT/MEAT ALTERNATECHOICE \#2 | Meat/MA B $200-249 \mathrm{cal} .$ | $\begin{aligned} & \text { Meat/MA C } \\ & 250-299 \mathrm{cal} . \end{aligned}$ | Meat/MA D $300-349 \mathrm{cal} .$ | Meat/MA E $350-399 \mathrm{cal} \text {. }$ | $\begin{aligned} & \text { Meat/MA F } \\ & 400+\text { cal. } \end{aligned}$ |
| MINMUM: <br> 8 oz. eq. | GRAINCHOICE \#2 | $\begin{gathered} \text { Grain } \\ 2 \text { oz.eq. } \end{gathered}$ | $\begin{aligned} & \text { Grain } \\ & 1 \text { oz. eq. } \end{aligned}$ | $\begin{aligned} & \text { Grain } \\ & 2 \text { oz. eq. } \end{aligned}$ | $\begin{gathered} \text { Grain } \\ 2 \text { oz. eq. } \end{gathered}$ | Grain 2 oz eq. |

- While you are completing the worksheet, reference the information on the matrix. Fill in the matrix based on components and their calorie categories.
- Keep in mind: Frequently, entrée recipes will also have some type of grain. If it is enough for that day, you can just write "included in entrée" in that section.
- Choices: You do not have to offer a choice for meat/meat alternate and grains daily. K-8 menus do not have to offer a choice of fruits daily.


## Menu Planning Matrix

- Pay close attention to veggie subgroups! Easily meet veggie subgroups by offering 2 (1/2 cup) choices daily.

| DALY NIN: <br> $3 / 4$ cup <br> WEERYY MIN: <br> 3 <br> $3 / 4$ cuIs | VEGETABLE-CHOICE \#1 | Dark Green | Red/Orange | Peas/Beans | Starchy |
| :---: | :---: | :---: | :---: | :---: | :---: |

Why offering two different veggies per day is a good idea:

+ Students have a larger variety of veggies to choose from
+ One full cup of the same veggie can be too much to eat and may go to waste
+The matrix was built to ensure veggie subgroups were met if the pattern is followed correctly

Menu Planning Matrix


## - Recipe List: Use to fill in the matrix based on food components and calorie ranges

## Yeou Plawis,

## MENU PLANNING > RECIPE LISTS:

BREAKFAST GRAINS BREAKFASTMEAT/MEAT ALTNERATE LUNCHMEAT/MEATALTNERATE LUNCHGRAINS FRUITS VEGETABLES other
BREAKFAST GRAINS: GROUP A (0-99 CALORIES)
DOWNLOAD THIS RECIPELIST

| RECIPE NAME | MRS\# | CAL. | SAIT FAI | $\checkmark$ sodum | CREDIt | menu Contribution | PDF |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mini Spooners Cereal | 8715 | 200 | 0.00 | 10.00 | WGR, | 202 eq. whole grains | $\downarrow$ |
| Marshmallow Mateys Cereal | 8710 | 220 | 0.00 | 30.00 | WGR, | 202 eq. whole grains | $\downarrow$ |
| Strawberry Yogut Snack Mix | 8795 | 120 | 1.00 | 55.00 | WGR, | 102 eq. whole grain | $\downarrow$ |
| Blueberry Vanilla Cookie Bites | 8785 | 130 | 0.50 | 70.00 | WGR, | 102 eq. whole grains | $\downarrow$ |
| Oat Cereal Bar-Biggs | 8760 | 140 | 1.00 | 75.00 | WGR, | 102 eq. whole grain | $\stackrel{\square}{*}$ |
| Oat Cereal Bar-Cumbley | 8760 | 140 | 1.00 | 75.00 | WGR, | 102 eq. whole grain | $\checkmark$ |
| Hot Oatmeal | 8740 | 71 | 0.22 | 78.00 | WGR, | 102 eq. whole grain | * |
| Yogut Parrait-Cumb | 9220 | 289 | 0.53 | 92.00 | M/MA, WGR, F, | $10 z$ eq. meat/meat alternate, 1 oz. eq. whole grain, $1 / 2$ cup of fruit | $\downarrow$ |
| Waffle (102.eq.) | 8835 | 70 | 0.00 | 95.00 | WGR, | 10z eq. whole grains | $\stackrel{\rightharpoonup}{*}$ |
| Banana Muftin-Merch | 8615 | 160 | 0.50 | 100.00 | WGR, | 102 eq. whole grain | $\downarrow$ |
| Assorted Mufin Loaves | 8610 | 155 | 0.75 | 105.00 | WGR, | 102 eq. whole grain | $\stackrel{\rightharpoonup}{*}$ |
| Blueberry Mutfin Loaf | 8620 | 150 | 0.50 | 105.00 | WGR, | 102 eq. whole grain | $\downarrow$ |
| Chocolate Chip Muffin Loaf | 8625 | 160 | 1.00 | 105.00 | WGR, | 102 eq. whole grain | $\cdots$ |
| Cocoa Rice Treat Bar | 8750 | 140 | 0.50 | 110.00 | WGR, | 102 eq. whole grain | - |
| Fruit Flavored Cereal Bar | 8755 | 150 | 0.50 | 110.00 | WGR, | 102 eq. whole grain | $\checkmark$ |
| Pancake (102.eq.) | 8820 | 90 | 0.00 | 110.00 | WGR, | 102 eq. whole grain | $\downarrow$ |

The menu list on the website has information about calories, saturated fat, sodium, and meal pattern contribution.

Click on the item of concern to reorder the list based on nutrient content.

- Recipe list on MRS website currently broken
- MRS team working behind the scenes to fix; will hopefully have update soon
- While list is broken, consult nutrients on the bottom of the recipes that you would like to serve


## NUTRIENTS PER SERVING

$\left.$| Calories | 351 |  | Dietary Fiber | 3.00 g | Sodium | 723.00 mg | Sat. Fat |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | | 7.00 g |  |
| :--- | :--- |
| Carbohydrates | 28.00 g | \right\rvert\, | Protein | 21.00 g |
| :--- | :--- |

- Handouts:
- Menu Matrix for K-5 lunch
- Menu Matrix worksheet for K-5 lunch
- Menu Matrix recipe list (sample recipes for use with activity)

Menu Matrix Activity

|  | MEAL COMPONENTS | DAY 1 | DAY 2 | DAY 3 | DAY 4 | DAY 5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| WEERYY M/MMA MEAT/MEAT ALTERNATE-CHOICE \#1 |  | Meat/MA B | Meat/MA C | Meat/MA D | Meat/MA E | Meat/MA F |
| 8 oz.eq. <br> DAIYM/MA | GRAINCHOICE \#1 | $\begin{aligned} & \text { Grain } \\ & 2 \mathrm{oz} . \end{aligned}$ | $\begin{aligned} & \text { Grain } \\ & 1 \mathrm{oz} . \end{aligned}$ | Grain 2 oz. | Grain 2 oz. | $\begin{aligned} & \text { Grain } \\ & 2 \mathrm{oz} . \end{aligned}$ |
| $1 \text { oz.eq. }$ | MEAT/MEAT ALTERNATECHOICE \#2 | Our school does not offer entrée choices, so I am |  |  |  |  |
| WEERYGRAN MNIMUM: 8 oz.eq. | $\begin{aligned} & \text { GRAIN- } \\ & \text { CHOICE \#2 } \end{aligned}$ | skipping this section. |  |  |  |  |
| $\begin{aligned} & \text { DAILYMIN: } \\ & 3 / 4 \text { cup } \end{aligned}$ | VEGETABLE-CHOICE \#1 | Dark Green | Red/Orange | Peas/Beans | Starchy | Other |
| WEERYY MIN: $33 / 4 \text { cups }$ | VEGETABLE-CHOICE \#2 | Starchy | Other | Red/Orange | Dark Green | Starchy |
| $\begin{aligned} & \text { DMIUMIN: } \\ & 1 / 2 \text { cup } \end{aligned}$ | FRUIT-CHOICE \#1 | Fruit B | Fruit C | Fruit C | Fruit C | Fruit D |
| WEERY MIN: $21 / 2 \text { cups }$ | FRUIT-CHOICE \#2 | Fruit C | Fruit B | Fruit B | Fruit B | Fruit A |
| DMIUMN: <br> at least | MILK -CHOICE \#1 | Chocolate | Chocolate | Chocolate | Chocolate | Chocolate |
| 2 options offered | MILK -CHOICE \#2 | Unflavored | Unflavored | Unflavored | Unflavored | Unflavored |
|  | CONDIMENTS | Condiments | Condiments | Condiments | Condiments | Condiments |
|  | DESSERT | Recommend only adding desserts if calories and sodium are already in desired ranges. |  |  |  |  |

## SFSA Conducted Nutrient Analysis

*this is not common for small organizations due to cost

## MDE Conducted Nutrient Analysis

1) Program specialist will contact school when nutrient analysis needed and/or school can submit request
2) Worksheet and all documentation will need to be provided by SFSA
3) Reports will be generated and assistance in making corrections will be provided

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

1) School Name:
2) Is this menu for breakfast or lunch? $\qquad$ Breakfast $\qquad$ Lunch
3) What age/grade group does this menu serve?
4) Do you implement offer verses serve? $\square$ Yes $\square$ No
5) Who are your suppliers? Check all that apply.
$\square$ Merchants
$\square$ Crumbly
$\square$ Prairie Farms
$\square$ Briggs
$\square$ Borden
Other:
6) On average, how many reimbursable meals do you serve daily for this meal period? $\qquad$

## Section B: Menu

1) Are you using Mississippi Recipes for Success? $\square$ Yes $\square$ No
*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.

| Day | Item \# | Recipe Name | MRS | Serving Size | Servings |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 |  |  |  |  |
|  | 2 |  |  |  |  |
|  | 3 |  |  |  |  |
|  | 4 |  |  |  |  |
|  | 5 |  |  |  |  |
|  | 6 |  |  |  |  |
|  | 7 |  |  |  |  |
|  | Milk |  |  |  |  |
|  | Milk |  |  |  |  |
|  | Condiment |  |  |  |  |
|  | Condiment |  |  |  |  |
|  | Condiment |  |  |  |  |

- Serving size: How much of the item you are serving (example: $1 / 2$ cup)
- Servings: How many portions you intend to serve (example: 34 portions)

| Days | Menu Choice 1 | Menu Choice 2 | Additional Information |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & 0 \\ & \stackrel{0}{2} \\ & \vdots \\ & \hline \mathbf{x} \end{aligned}$ | Hamburger | Baked Ham | 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. |
|  | Green Beans | Whole Grain Roll |  |
|  | French Fries | Green Beans |  |
|  | Apples | French Fries |  |
|  | Bananas | Apples |  |
|  | Milk Selection | Bananas |  |
|  |  | Milk Selection |  |

- If you are not offering choices, this section is not needed.

Nutrient Analysis Reports

## Base Menu Spreadsheet- Nutrient Information

Base Menu Spreadsheet
Weighted Values - Detailed
Page 1

|  | Portion Size | Reimb Qty | Cals <br> (kcal) | Cholst (mg) | Sodm <br> (mg) | Fiber <br> (g) | $\begin{aligned} & \text { Iron } \\ & (\mathrm{mg}) \\ & \hline \end{aligned}$ | Calcm (mg) | Vit-A <br> (IU) | Vit-C <br> (mg) | Sugars <br> (g) | Protn <br> (g) | Carb <br> (g) | T-Fat <br> (g) | S-Fat <br> (g) | Tr-Fat' <br> (g) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lunch 9-12 | Total | 247 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Corn Dog Nuggets M3165 | 6 nuggets | 80 | 87 | 12 | 121 | 0.97 | 0.70 | 29.1 | 0 | 23.32 | 4 | 3.89 | 11.17 | 3.89 | 0.97 | 0.00 |
| Chicken Patty Sand Baked M4150 | 1 each | 150 | 230 | 33 | 496 | 3.21 | 2.02 | 74.8 | 166 | 2.16 | 3 | 12.28 | 28.03 | 7.39 | 1.35 | 0.01 |
| Carrots, Baby with Dip M5850 | 1/2 cup | 124 | 22 | 0 | 85 | 1.02 | 0.11 | 12.0 | 6126 | 2.15 | 3 | 0.34 | 5.0 | 0.09 | 0.01 | 0.00 |
| Lima Beans Dried, CND M5530 | 1/2 cup | 123 | 74 | 0 | 94 | 2.99 | 0.65 | 12.0 | 63 | 0.0 | *1 | 3.6 | 10.78 | 1.2 | 0.37 | 0.00 |
| Milk, FF White1/2 pt. PF M100 | 1/2 pint | 50 | 16 | 1 | 24 | 0.00 | 0.00 | 57.7 | 101 | 0.24 | 2 | 1.62 | 2.23 | 0.0 | 0.00 | 0.00 |
| Milk, FF Choc 1/2 pint PF M120 | 1/2 pint | 175 | 92 | 4 | 85 | 0.00 | 0.00 | 201.9 | 354 | 0.85 | 16 | 5.67 | 16.3 | 0.0 | 0.00 | 0.00 |
| Fresh Fruit Bowl Variety M6715 | 1 each | 247 | 84 | 0 | 1 | 3.65 | 0.22 | 20.1 | 120 | 23.13 | 13 | 0.87 | 21.72 | 0.24 | 0.05 | 0.00 |
| Fresh Fruit Cup M6720 | 1/2 cup | 247 | 64 | 0 | 3 | 1.84 | 0.29 | 8.2 | 169 | 5.41 | 12 | 0.58 | 16.48 | 0.17 | 0.04 | 0.00 |
| Ranch Dressing \& Dip PC M8075 | 1 ounce | 70 | 39 | 3 | 108 | 0.00 | 0.00 | 5.5 | 0 | 0.0 | 0 | 0.0 | 1.38 | 3.6 | 0.55 | 0.00 |
| Ketchup PC M8000 | 1 each | 124 | 5 | 0 | 43 | 0.00 | 0.00 | 0.0 | 0 | 0.0 | 1 | 0.0 | 1.51 | 0.0 | 0.00 | 0.00 |
| Mustard, PC M8015 | 1 pouch | 100 | 2 | 0 | 27 | 0.05 | 0.04 | 1.6 | 0 | 0.01 | 0 | 0.08 | 0.12 | 0.09 | 0.00 | 0.00 |
| Potato Rounds, Baked M6095 | 1/2 cup | 80 | 43 | 0 | 102 | 0.66 | 0.12 | 0.0 | 0 | 1.18 | 0 | 0.33 | 5.26 | 1.97 | 0.33 | 0.00 |
| Weighted Daily Average \% of Calories |  |  | 758 | 53 | 1189 | 14.39 | 4.14 | 423.0 | 7100 | 58.46 | $\begin{array}{r} \cdot 55 \\ -28.9 \% \end{array}$ | $\begin{array}{r} 29.25 \\ 15.4 \% \end{array}$ | $\begin{aligned} & 119.98 \\ & 63.3 \% \end{aligned}$ | $\begin{array}{r} 18.63 \\ 22.1 \% \end{array}$ | $\begin{gathered} 3.69 \\ 4.4 \% \end{gathered}$ | $\begin{gathered} 0.01 \\ 0.0 \% \end{gathered}$ |
| Nutrient Guideline |  |  | 750-850 |  | 1420 |  |  |  |  |  |  |  |  |  | $<10.00$ |  |

This column contains the number of anticipated servings!

| Nutrient | Menu AVG | \% of Cals | Weekly Target | \% of Target | Miss Data | Shortall | Overage | Error Messages (if any) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calories | 785 |  | 750-850 | 100\% |  |  |  |  |
| Cholesterol (mg) | 60 |  |  |  |  |  |  |  |
| Sodium 1 (mg) | 1256 |  | 1420 |  |  |  |  |  |
| Sodium 2 (mg) | 1256 |  | 1080 |  |  |  | 176 | Correction Required - Sodium too High |
| Fiber (g) | 13.79 5.13 |  |  |  | Missing |  |  |  |
| Calcium (mg) | 499.5 |  |  |  | Missing |  |  |  |
| Vitamin A (IU) | 6043 |  |  |  | Missing |  |  |  |
| Sugars (g) | 51 | 26.10\% |  |  | Missing |  |  |  |
| Vitamin C (mg) | 71.39 |  |  |  | Missing |  |  |  |
| Protein (g) Carbohydrate (g) | 33.78 116.21 | $\begin{aligned} & 17.20 \% \\ & 59.19 \% \end{aligned}$ |  |  |  |  |  |  |
| Total Fat (g) | 22.40 | 25.68\% |  |  |  |  |  |  |
| Saturated Fat (g) Trans Fat' (g) | 6.91 0.00 | $7.91 \%$ $0.00 \%$ | <10.00\% |  |  |  |  |  |

- Keep in mind that a Sodium Interim Target 1A became effective July 1, 2023. Your reports may not have that information up-to-date yet.


## Weekly Requirements ReportComponents


${ }^{* *}$ Cells with this background color signify Requirements not being met!

MISSISSIPPI DEPARTMENT O EDUCATIO

## Nutrient Analysis Reports

| 5 Day Week | $\begin{gathered} \text { Mon } \\ 4 / 10 / 23 \end{gathered}$ | $\begin{aligned} & \text { Tue } \\ & \text { 4/11/23 } \end{aligned}$ | $\begin{aligned} & \text { Wed } \\ & 4 / 12 / 23 \end{aligned}$ | $\begin{aligned} & \text { Thu } \\ & 4 / 13 / 23 \end{aligned}$ | $\begin{gathered} \mathrm{Fri} \\ 4 / 14 / 23 \end{gathered}$ | Weekly | Weekly Rqmt. | Weekly Rqmt. Check |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fruit: Minimum (cups) | 1 | 1 | 1 | 1 | 1 | 5 | 2.5 | Yes |
| Vegetables: Minimum (cups) | 1.125 | 0.125 | 1.625 | 1.125 | 1.25 | 5.25 | 3.75 | Yes |
| -Dark Green | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | NO |
| Red/Orange | 0.125 | 0.125 | 0.625 | 0.125 | 0.25 | 1.25 | 0.75 | Yes |
| -Legumes | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | NO |
| -Starchy | 0.5 | 0 | 0 | 0.5 | 0.5 | 1.5 | 0.5 | Yes |
| -Other | 0.5 | 0 | 1 | 0.5 | 0.5 | 2.5 | 0.5 | Yes |

- Obtain ingredient documentation/crediting information prior to serving the item
- Create a cycle menu of no more than 6 weeks
- Request analysis of menu prior to administrative review and make corrections to menu quickly


## Questions <br> 

## Betsy Redfern Pennington

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[^0]:    - RECIPE LISTS

