# Session 1

Menu Planning



# What does food look like at your school?

- <u>Watch this video</u>
- What is your favorite item to prepare for students?
- What is their favorite to eat?

## Session # 1: Menu Planning



# PRINCIPLES TO CONSIDER WHEN MENU PLANNING

### Equipment

Cost

### Personnel available

Palatability and esthetics

Variety

Nutrition

## Equipment

### Utilize all pieces of equipment

Note the capacity of your equipment

Cooking in domestic style kitchens pose a challenge for cooks.

Remember to always plan your menus accordingly Some commercial recipes will not be suitable for your kitchens



**High cost** menu items should be balanced with **lower cost** menu items

ex) Fresh fruit and egg sandwiches



Offer low and high cost menu items on the menu Ex) Whole wheat pancakes and fruit compote, Lasagna



Offer high cost items one day and low-cost items another ex) Roast chicken and wild rice, Stewed lentils and potatoes



Availability of Personnel

- Consider skill level
- Evenly distribute workload
- Plan for your strengths!



Must consider the food combinations offered and how they will be perceived by the child



Must ensure that the esthetics will be **palatable** and pleasing to all 5 senses

## Palatability and Esthetics









- Color
- Texture
- Consistency
- Flavor
- Shape or form
- Arrangement and balance
- Variety in method of preparation



## Nutrition







CHOOSE PLENTY OF VEGETABLES, FRUITS, WHOLE GRAIN FOODS AND PROTEIN FOODS. CHOOSE PROTEIN THAT COMES FROM PLANTS MORE OFTEN LIMIT HIGHLY PROCESSED FOODS.



REPLACE SUGARY DRINKS WITH WATER

## Nutrition

Prepare meals and snacks using ingredients that have little to no added sodium, sugars or saturated fat

- Swap beans for meat
- Replace sugar with fruit puree
- Swap vegetable oil for butter
- Use whole grain pasta instead of white
- Use food labels
- Be aware that food marketing can influence your choices

## Review time

- Can you remember the factors to consider when menu planning?
- Please take five minutes to fill out the reflection section in your manual
- Compare answers with a partner when finished





## Cycle Menus

## What is a cycle menu?

- A menu plan that happens over and over
- Over a set period of time

### Advantages:

- Makes managing costs easier
- Predictable work schedules
- Ordering becomes cyclical as well

### **Disadvantages:**

- Time investment
- Repetitive

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Cycle Menus

	Monday	Tuesday	Wednesday	Thursday	Friday
Breakfast	Oatmeal and Berries	Broccoli n cheese Scrambler	Whole-wheat pancakes and fruit	Omelet and potatoes	Egg Sandwiches
Lunch	Vegetarian Chili with corn bread	Chicken and veggie Stroganoff	Turkey and orzo Soup	Grilled ham n cheese with veggies n dip	Korean beef stir-fry
	Monday	Tuesday	Wednesday	Thursday	Friday
	Monuay	Tuesuay	weunesuay	Thursday	Friday
Breakfast	Rice and Chia pudding	Breakfast Burrito	Oat-bar and Fruit	Whole-wheat French toast	Egg Sandwiches

### Factors to consider?

## Spot what's wrong with this menu!

Can you spot the mistakes, based on what you've learned today? **Remember- balance, appeal, nutrition, and budget!** 

	Monday	Tuesday	Wednesday	Thursday	Friday
Breakfast	Banana crepes	Creamy rice pudding	French toast with fruit	Bacon scrambler	Ham and cheese quiche
Lunch	Saucy meatballs with white rice and creamed-corn	Salmon with fettucine alfredo	Roast chicken, mashed potatoes and cauliflower	Beef Barley Soup with scones	Egg-salad sandwiches



# Let's Build your Menu!

### Let's Build your Menu!

List equipment needed

Recipe Sources:

- <u>https://healthyschoolrecipes.com/</u>
- <u>https://www.thelunchbox.org/</u>
- Food for Fifty
- Others?

# Session 2

Nutrition & Healthy Planning

### Agenda



- Introduction
- Importance of Menu Planning
- Planning Healthy Meals
- Food Portions
- Label Reading
- Cycle Menu

# Importance of Menu Planning

### Why is it important to plan menus?



# Planning Healthy Meals

### **Have Plenty of Vegetables & Fruits**

#### Serve Most Often

- Fresh, frozen, or canned vegetables and fruit prepared without added fat, salt, or sugar
- Fruit canned in water or juice
- Homemade vegetable soups
- Vegetable or fruit salads
- Unsweetened applesauce

#### **Serve Sometimes**

- Canned or frozen vegetables and fruit with added salt, sugar, fat, or sauces
- Canned vegetable soups
- Fruit canned in syrup
- 100% vegetable or fruit juices
- Dried fruit, 100% fruit leather, 100% vegetable and fruit bars, homemade fruit crisps
- Frozen 100% fruit juice bars
- Salsa



- Deep fried potatoes, fried perogies, hash browns
- Fruit flavored drink crystals, fruit beverages, cocktails, drinks, blends, or punches
- Fruit pies or pastries
- Fruits gummies or fruit snacks
- Potato chips
- Pickles

## Veggies and Fruit

### **Offer Rarely**

0 0

IN HEAVY SYRUT





## Choose Whole Grain Foods

### Serve Most Often

- Whole grains First Ingredient:
  - bread, rolls, buns, bagels, pita bread, tortillas, baked bannock, English muffins, muffins, loaves, pancakes, waffles, unsweetened cereal, cooked unsweetened cereal, pasta, macaroni, noodles
- Corn bread
- Barley
- Brown or 20 minute rice

#### **Serve Sometimes**

- 'White' grains:
  - bread, rolls, buns ,bagels, pitas bread, tortillas, biscuits, breadsticks, baked bannock, pancakes, waffles, loaves, cookies, other baked goods, pasta, macaroni, noodles
- Cold or hot cereals
- White or instant rice
- Whole grain or white crackers
- Granola or cereal bars
- Plain popcorn, rice cakes, baked chips
- Taco shells



#### Pastries, donuts, cakes, cupcakes, cake muffins, sticky buns, cookies with sweet icing, puffed wheat or rice crispy cake

- Flavoured popcorn
- Instant noodles, package noodle soup
- Frozen waffles









### **Choose Protein Foods**

#### Serve Most Often

- Lean Meats/Poultry:
  - Roasted, baked, grilled chicken, turkey, fish, seafood, beef, pork, lamb; canned tuna, salmon, chicken,; wild meat; eggs
- Fish and Shellfish (including canned fish in water)
- Peanut or other nut butters, nuts and seeds without added salt or
- Cooked peas, beans, lentils, canned beans or lentils (rinsed)

#### **Serve Sometimes**

- Lean deli meats like ham, corned beef,
  turkey pastrami; packaged meatballs or hamburger patties; breaded fish or meat
- Canned fish in oil
- Canned beans in sauce
- Salted or sweetened nuts and seeds



#### **Serve Rarely**

- Sausages, smokies, hot dogs,
  bacon or bacon bits, pepperoni
  sticks, processed meats (bologna,
  salami, pepperoni, corned beef),
  chicken wings, deep fried or
  breaded/battered fish or chicken
- Pizza pops
- Pogo sticks
- Chocolate or yogurt covered nuts, sesame snaps

# Example: Protein (meats & vegetable protein)





# Foods to Limit PEACH SLICES, IN HEAVY SYRUP

- French fries and other fried vegetables
- Pickles and other pickled vegetables
- High sodium soups
- Vegetables with high fat cream sauces
- Canned fruit in syrup
- Fruit drinks/cocktails/ punches
- "Real fruit" gummies
- Fruit crisps/pie
- Processed cheese products (cheese slices, cheese spreads)
- Puddings
- Milkshakes/Ice cream/Frozen yoghurt

#### Food to Limit\*

- Cookies, cakes, graham crackers/wafers
- Sweetened cereal
- Microwave popcorn
- Granola bars
- Deep fried battered fish
- Deep fried meat
- Corn dogs
- Bacon
- Chicken nuggets, chicken fingers, chicken patties
- Cream, whipping cream
- Butter
- Processed meat (eg. hot dogs, sausage, some sandwich meat)
#### Choose Protein with Calcium

#### Serve Most Often

- Skim, 1%, or 2% white milk
- Homemade milk-based soups
- Skim milk powder
- Fortified, low-fat soy beverages
- Plain, unsweetened yogurt
- Lower fat, hard cheese (less than 20% MF)

#### **Serve Sometimes**

- Whole milk
- Chocolate or flavoured milk
- Hot chocolate made with milk
- Flavored yogurt
- Milkshakes
- Milk-based puddings or custards
- Frozen yogurt or Yogurt drinks
- Processed cheese slices or cheese spreads

- Ice cream, frozen ice cream treats
- Cream
- Sour cream

**Serve Rarely** 

- Whipped cream, whipped topping
- Coffee whitener, non-dairy creamer
- Cream cheese

# Example: Protein (with Calcium/Dairy)



### Protein: Dairy & Calcium Containing

**Offer Rarely** 



# Make Water the Drink of Choice!

#### Serve Most Often

- Water
- Milk
  - Unsweetened, Skim, 1% or 2%
- Unsweetened Fortified Plant Based beverages
  - Soy or Almond Beverage

#### Serve Sometimes

• 100% fruit juice





#### **Serve Rarely**

- Fruit drinks, fruit punch, fruit beverage, fruit cocktail, fruit medley, fruit medley
- Soft drinks
- Crystal drinks
- Energy drinks



## Planning Food Portions

### Food Portions & Serving Sizes



- ✓ Eat plenty of vegetables and fruits,
- ✓ Eat whole grain foods and protein foods.
- ✓ Choose protein foods that come from plants more often.
- ✓ Make water your beverage of choice
- ✓ Choose foods with healthy fats instead of saturated fat.

✓ Mealtime roles



## Label Reading



#### Nutrition Facts





#### Nutrition Claims

### Understanding Food Labels



Health Claims





Questions or Comments? Questions ou commentaires? 1-888-293-1333

### Understanding Food Labels

#### **Nutrition Facts**

- Easy to find & read
- On most packaged foods
- · Based on a specific amount of food

#### The % Daily Value

- Helps compare and evaluate nutrient content of foods
- Based on recommendations for a healthy diet
- 5% or less is a little
- 15% or more is a lot

Ø	t ce temps, faire e grande poêle à le bouillon de gingembre et la u jusqu'à ce que le et le gingembre. es soient rosées. "Itarioot, le basilic et		
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Qu	estions or Comments?		

Questions ou commentaires? 1-888-293-1333

#### The % Daily Value

Choose more	Choose less of:
of:	Fat
Fibre	Saturated and
Vitamin A	trans fats
Calcium	Sodium
Iron	Sugar

- Daily % value for sugar
- 4g = 1 tsp added sugars
- Can also use ingredient list to evaluate sugar content
- Syrup

- Honey
- Sugar cane
- Nectar
- Crystals

#### Understanding Food Labels

#### The Ingredient List

- Lists all the ingredients by weight
  - Most to least
- Lists priority food allergens

t ce temps, faire e grande poêle à r le bouillon de gingembre et la u jusqu'à ce que le et le gingembre. les soient rosées. l'haricot, le basilic et e 4 portions. **INGREDIENTS:** WHOLE GRAIN DURUM WHEAT SEMOLINA. MAY CONTAIN EGGS. **ALL INGREDIENTS LISTED ARE NOT PRODUCED USING GENETIC ENGINEERING. INGRÉDIENTS :** SEMOULE DE BLÉ DUR À GRAINS ENTIERS. PEUT CONTENIR DES ŒUFS. **LES INGRÉDIENTS ÉNUMÉRÉS NE SONT PAS PRODUITS PAR MANIPULATION GÉNÉTIQUE.** 

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	Nutrition Facts Valeur nutritive Per about 1/4 box (85 g)	pour environ 1/4 boîte (85 g) Amount % Daily Value Teneur % valeur quotidienne	Calories / Calories 290	Fat / Lipides 2 g	Saturated / saturés 0.4 g + Trans / trans 0 g	Cholesterol / Cholestérol 0 mg	Sodium / Sodium 0 mg	Carbohydrate / Glucides 60 g	Fibre / Fibres 8 g	Sugars / Sucres 4 g	Protein / Protéines 12 g	Vitamin A / Vitamine A	Vitamin C / Vitamine C	Calcium / Calcium	Iron / Fer	

luestions or Comments?

#### **Nutrition Claims**

• Regulated statements

Looking to *decrease*? Look for: • Free, low, reduced, light

Looking to *increase*? Look for:

• Source, high or good source, very high or excellent source





#### **Health Claims**

- Disease risk reduction claims
- Ex: "a healthy diet high in fiber may reduce the risk of colon cancer. (*Name of food*) is high in fiber"

#### Image source:

https://www.google.com/search?q=disease+risk+reduction+claim+foodexample&tbm=isch&ved=2ahUKEwiMpffXwpmDAxVwJGIAHbgrA7wQ2-isch&ved=2ahUKEwiMpffXwpmDAxVwJGIAHbgrA7wQ4-isch&ved=2ahUKEwiMpffXwpmDAxVwJGIAHbgrA7wQ4-isch&ved=2ahUKEwiMpffXwpmDAxVwJGIAHbgrA7wQ4-isch&ved=2ahUKEwiMpffXwpmDAxVwJGIAHbgrA7wQ4-isch&ved=2ahUKEwiMpffXwpmDAxVwJGIAHbgrA7wQ4-isch&ved=2ahUKEwiMpffXwpmDAxVwJGIAHbgrA7wQ4-isch&ved=2ahUKEwiMpffXwpmDAxVwJGIAHbgrA7wQ4-isch&ved=2ahUKEwiMpffXwpmDAxVwJGIAHbgrA7wQ4-isch&ved=2ahUKEwiMpffXwpmDAxVwJGIAHbgrA7wQ4-isch&ved=2ahUKEwiMpffXwpmDAxVwJGIAHbgrA7wQ4-isch&ved=2ahUKEwiMpffXwpmQ4

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#### **General Health Claims**

- Beware of general health claims
- Use nutrition facts and ingredient list to make an informed choice

### Activity Time!

#### Ex: Who has a product with <u>a little fat?</u>

Answer) Whole wheat spaghetti, 3% fat

- <u>A little bit of fibre?</u>
- <u>A lot of saturated fat?</u>
- <u>A lot of</u> sodium?
- A nutrition claim?

### Review time

- Please take five minutes to fill out the reflection section in your manual
- Compare answers with a partner when finished



#### Let's Review your Menu!

Classify your items (often, sometimes, rarely)

Make substitutions:

- Substitute all serve rarely
- Substitute half of serve sometimes

## Session 3

Planning and Production

## Part 1

Planning menu substitutions

## Reasons for Substitutions

Can you think of any reasons for menu substitutions?



### 10 Most common dietary restrictions\*

- Lactose Intolerance
- Gluten intolerance or sensitivity
- Vegetarianism
- Veganism
- Kosher
- Keto
- Diabetes
- Food Allergies

\*Lang, A. (2021, June 7). *The 10 most common dietary restrictions*. Healthline. https://www.healthline.com/nutrition/most-common-dietary-restrictions



# Identifying restricted ingredients

- Check the label!
- Companies must clearly label top priority allergens
- Precautionary statement are not required or regulated by Health Canada.
  - "may contain"
  - "traces of"
  - "processed in a factory containing"
- Watch out for "disguised" ingredients.
- Work with your dietitian to identify potential sources of the restricted ingredient

### Strategies for substitutions

- Consult with the dietician in your areas
- Involve students, staff, parents
- Plan your menus to be adaptable
  - Identify dietary restrictions
  - Select menu items that meet diets or can easily be substituted
- Try "food-chaining" for overall substitutions
  - Gradually introduce new ingredients



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### Tips for making substitutions



### Activity time!

Identify dietary restrictions

• Write a list of all restrictions you cook for

#### Identify menu items

- Create a list of restricted menu items
- Are these easy, or difficult to substitute?

Make the substitution

- Can the new item be prepared for the whole school?
- Remember the tips!
- Does the item need to change?

## Part 2

Prep lists, pulls, and recipe selections



### What is a "Pull"?

- A pull means to take an item from the freezer to allow it to thaw properly
- To pull properly you would remove the item from the freezer at least 3 days prior to the day you need to prepare the item for service
- Items can, only if needed, be thawed under cold running water, these items must be cooked immediately if thawed in this manner
  - $\circ\,$  The cold running water must be able to flow around the item
  - $_{\odot}$  The larger the item or items the longer this will take
  - $\,\circ\,$  This method should only be used in emergent situations

Food should never be thawed under hot water, this poses a health risk



### Prep List

- A prep list is just what it implies, a list of things that needs to be completed
- Prep lists can (should) be structured based on the menu
- These lists help ensure items do not get missed either from ordering, or pulls
  - $\circ\,$  If something is not available a prep list can help with a substitution or even a replacement
  - $\circ\,$  This can be used as well when donations come in and may not be aligned with the Cycle menu

### **Recipe Selection**

- Recipe Selection should be based on several factors:
  - $_{\odot}$  Menu Items
  - $\circ$  Number of people being served
  - $\circ$  Equipment
  - $\circ$  Space
  - $\circ$  Staffing levels

Recipes should work for those who are going to make the items

The students being served should be kept in mind as well as they are known to the Nutrition Workers

### Good or Bad?

• A school serves ninety breakfast items each day

#### • The equipment on hand:

- $\circ$  2 household stoves
- $\circ$  5 steel frying pans
- $\circ$  2 eight-foot workstations
- $\circ$  3 standard cutting board
- $\circ 2$  chef knives
- $\circ$  1 commercial toaster
- $\circ$  1 staff member

Should omelets be added to the menu?

### Cycle Menu Sample

	Monday	Tuesday	Wednesday	Thursday	Friday		
Breakfast	Oatmeal and Berries	Broccoli n cheese Scrambler	Whole-wheat pancakes and fruit	Omelet and potatoes	Egg Sandwiches Korean beef stir- fry		
Lunch	Vegetarian Chili with corn bread	Chicken and veggie Stroganoff	Turkey and orzo Soup	Grilled ham n cheese with veggies n dip			
	Monday	Tuesday	Wednesday	Thursday	Friday		
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Breakfast	Rice and Chia pudding	Breakfast Burrito	Oat-bar and Fruit	Whole-wheat French toast	Egg Sandwiches		

### Activity time!



1. Make prep lists for all of your menu items (1 week)



2. Assign a timeline for each task (cooking included)



3. Identify equipment needed



4. Create a schedule for production, pulls included!

### Let's try one together first...

	Monday
Breakfast	Oatmeal and Berries
Lunch	Vegetarian Chili with corn bread
	Manalas

1. Prep list for items

## Session 4

Managing Time and Budget




### Plan for Leftovers

- Intentionally plan meals that can be re-purposed
- Plan meals with ingredients that can be prepped simultaneously
- Have a "mystery day" once a month
- Prepare large batches and store for later use



### Challenges with leftovers

- Food safety
- Storage space
- Quality control
- Others?

How can we overcome these?



### Activity

- Share your menu with a partner
- Identify 3 foods and how you can repurpose them into leftovers

### • Not every meal needs to have meat!

- Beans
- Nuts\*
- Low-fat dairy\*

#### • Swap beans for meat:

- Casseroles
- Chili
- Burritos
- Quesadillas
- "meatballs"
- Dips

### Go Meatless!



- Saves money and time
- Meets CFG

#### **Example:**

- 50 children
- Average gr. beef price 12.52/kg
- 7-8 children/kg
- 8kg of beef
- 8 x \$12.52= \$<u>100.16/meal</u>



Go Meatless!

- Lentils \$3.90/ 1.8kg
- \$8.58/meal

#### • Try "food chaining"

- A process that gradually introduces new ingredients
- Ex) Beef lasagna <br/>  $\rightarrow$  Veggie lasagna
- 1. Swap  $\frac{1}{4}$  beef for beans
- 2. Swap  $\frac{1}{2}$  beef for beans
- 3. Swap  $\frac{3}{4}$  beef for beans
- 4. Make your veggie lasagna!



### Go Meatless!

- 1. Select an item to "food chain"
- 2. Map out the process.
  - 1. Which ingredient(s) will you use to substitute?
  - 2. What will the cooking process be?







Prepare fruits and vegetables in-house



Make sauces, stocks, soup from scratch



Marinate your own meats



Prep for multiple meals at a time

# Scratch or convenience?



Start gradually

### Activity: Scratch vs. Convenience



- 1. Share your menu with a partner.
- 2. Identify items on their menu that could be convenience/scratch
- 3. Determine feasibility of making a switch

### Be Prepared, Be Organized

- Being prepared for each day will help keep things running efficiently
- Organization can help reduce/remove stressful situations
  - $\circ\,$  Designate work areas
  - $\circ\,$  Keep everything in their place
    - Heavily used items in easy reach
  - $\circ\,$  Label and Date food items (green tape/sharpies)
  - o FIFO
  - $\circ$  Prep Lists/Cycle Menus
  - $\circ$  Inventory
  - $\circ$  Workable storage
    - Open shelves (no cabinet doors)
    - See through stroage contaiers
    - Marked drawers/bins



### Activity

- Move #4 from previous here (MAYBE?)
- What still needs to happen for your menu?
- Q/A period?

## Thank you