Background Information

Americans have a wide variety of food choices, but are also heavily influenced by many factors when selecting and purchasing foods.

Some examples of these influences that contribute to an individual’s food choices include individual factors, such as knowledge, personal taste preference, mood, hunger level, health status, special diet requirements, ethnicity, and personal income.

Environmental factors such as weather, time of day, the immediate setting, or advertisements also influence food choices. Restaurants and markets often take advantage of this. For example, a grocery store might put food at eye level to encourage shoppers to purchase it. A buffet restaurant might place items in a certain order, knowing that customers will often choose to take more of the first few items. Indirect factors outside of one’s control may also affect food choices. For example, government policies might influence the cost to produce food which may then be passed onto the consumer. The resulting changes in prices could in turn influence food purchases.

An individual could even be influenced by multiple factors at once, for example: someone who hasn’t eaten all day (hunger level), has little money to spend (personal income), and is running late to their second job (time) might choose a two-for-one special at a fast food restaurant instead of cooking a healthy meal.

Many of these factors are obvious when we consider the National School Lunch Program and School Breakfast Program. Factors that influence students’ choices could be the length of the serving line, the presence of colorful fruits and vegetables on the salad bar, or time available for purchasing and consuming the meal.
Concepts and Vocabulary

**Environmental factors:** Aspects of a setting, atmosphere, or location that influence an individual’s choices, such as layout, ambiance, marketing, and availability.

**Indirect factors:** Certain factors may not immediately or directly cause food choices to change, but will still influence individual food choices like government policy and climate change by affecting aspects outside of the control of the consumer.

**Influences:** Factors that can contribute to an individual’s food choice, which are both individual and environmental.

**Personal factors:** Personal characteristics that influence choices, such as taste preference, knowledge, hunger level, income, and special diet requirements.
7.1: Learning Activity

Overview

In this activity, participants will explore influences on food choices. There are six different scenarios that are posted around the room in which different characters make food choices. In small groups, participants will record possible influences on the character’s choices before rotating to the next flip chart. The activity closes with volunteers reading each of the scenarios and summarizing the influences recorded and the class comparing and contrasting the choices made by the characters in the scenarios.

Getting Ready

Time Required
45 minutes

Materials Needed
(Materials provided in the curriculum)

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<th>For the Facilitator</th>
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<tr>
<td>□ Flip chart paper</td>
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<td>□ Prepared flip chart papers for each scenario</td>
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## Preparation

### Other Materials
1. Print one copy of *Food Choice Scenarios (Lesson Material 7-A)*

2. Prepare one flip chart for each of the characters listed on the *Food Choice Scenarios (Lesson Material 7-A)*. Each flip chart should have the following: number and name of scenario written across the top; scenario taped or pasted to the flip chart.

### Activity Set-up
3. Post the prepared flip chart papers in numerical order around the room.

### Classroom Set-up
4. Organize the class into small groups of 2 to 4 participants.

5. Provide each group with a sheet of flip chart paper and markers, pens, or pencils to answer opening questions/prompts.

### Optional
6. Before participants arrive, connect laptop to projector. Load *Focus on Food Lesson 7 (PowerPoint)*.
**Opening Questions/Prompts**

**Small Group Discussion**

1. **Say:** Let’s get started with Lesson 7 – Understanding Influences on Food Choices! *(Slide 1)* To begin, I’d like everyone to discuss an opening question within your group. *(Slide 2)* Once you’ve discussed the prompt within your groups, we will come back together as a class and discuss your thoughts and responses as a whole.

   The prompt I’d like you to discuss within your groups is:

   - Explain what you know about how our food choices are influenced. *(Slide 3)*

   **Facilitator Tip:** Explain to participants that they may write their answers independently or assign one person in their group to write down everyone’s thoughts. It may be helpful to explain to the class that they will learn more about these topics throughout the lesson.

2. **Do:** Allow 2 to 3 minutes for groups to discuss the prompt.

**Class Discussion**

3. **Say:** As a class, let’s discuss what you talked about in your groups. What were some of your thoughts on the prompt, “Explain what you know about how our food choices are influenced?”

4. **Do:** Allow about a minute for participants to share their thoughts on this topic with the class.

**Procedure (Experiencing)**

**Flip Chart Write and Rotate**

5. **Say:** Now that we’ve completed our opening discussion, we’ll start on the activity for this lesson. This activity involves factors that influence food choices. *(Slide 4)*

   - There are six flip chart papers with different scenarios around the room.
   - I’m going to count off by six, after which you’ll go to the scenario that matches your number.
   - Within these groups, read through the food choice scenario on the flip chart paper and brainstorm
different factors that might impact the character’s food choices. (Slide 5)

- You should write the factors you brainstorm on the flip chart paper. (Slide 6)

6. **Do:** Have the learners count off from 1 to 6 to form six new groups and go to the corresponding flip chart.

   *Facilitator Tip: If you have six groups, feel free to skip the formation of new groups, and have each of the existing groups go to a different flip chart.*

7. **Do:** Allow one to two minutes for the groups to read the scenario and brainstorm at least two to three factors. Use a timer to count down the time.

8. **Say:** Now I’m going to have you move to the next numbered scenario. Those at scenario 1 should move to 2, those at 2 should move to 3, those at 6 should move to 1, etc. (Slide 7)

   - Read through and discuss the new scenario as well as the responses recorded by previous groups.
   - Add any other factors that you feel might have impacted the character’s food choices to the flip chart paper. (Slide 8)

9. **Do:** Repeat Steps 3 and 4 every few minutes until each group has discussed three or four scenarios.

**Activity Wrap-Up (Sharing, Processing, and Generalizing)**

10. **Say:** As a class, let’s discuss the scenarios. (Slide 9) Can I have a volunteer at the first scenario read it to the class?

11. **Do:** Allow the volunteer to read the scenario to the class.

12. **Say:** Let’s discuss the scenario. What were some of the factors that were brainstormed and some of the observations you had?

13. **Do:** Repeat Steps 2 and 3 for each scenario. Follow the group’s line of thinking, and if necessary, ask more targeted questions.

   - Explain what you observed about the different influences.
• Explain the similarities and differences in food choices.
• Explain the differences and similarities between how children versus adults made decisions in these scenarios.
• Explain how these different factors of influences might impact what a student chooses in the lunch line.
• Explain how we could make changes to the environment of the lunchroom to influence choices.

Facilitator Tip: If there are any misconceptions remaining in this phase of the lesson, you should address these now.

Concept and Term Discovery/Introduction

Over the course of the lesson, participants should be able to identify the following concepts:

• A variety of factors influence an individual’s food choices.
• Some influences might affect just one person, or may impact many.
• There are differences and similarities between what motivates children versus adults to make certain food choices.
• Environmental factors may influence choices.
• Changing the environment is a strategy to encourage healthier choices.

The following key vocabulary terms should be discovered by participants or introduced to them: factors of influence, individual factors, and environmental factors.
7.2: Expanding Knowledge

Overview

In this mini-lecture, participants will learn more about how personal and environmental factors can influence food choices.

Getting Ready

Time Required
10 minutes

Materials Needed
(Materials provided in the curriculum)

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Preparation

Projector Set-up
1. Connect laptop to projector. Load Focus on Food Lesson 7 (PowerPoint).
2. Queue the PowerPoint presentation to Slide 10.
Procedure

1. **Do:** Go through the Expanding Knowledge presentation slide by slide. The following script is available for use if you so choose.

**Slide 10**

Now let’s review some concepts that we learned in Lesson 7, understanding Influences on Food Choices.

**Slide 11**

Individuals make food choices for a variety of reasons, including, but not limited to: Taste, Health, Convenience, and Price. In addition to more noticeable influences, there are also less obvious ways that the world around us can impact choices. What are some influences you can think of? [Pause to allow responses from the class.]

**Slide 12**

Let’s begin by discussing some personal factors that may impact food choices. Personal factors are defined as factors that are different from person to person. We can also call them individual factors. Some examples include taste preferences, genes, age, knowledge, and health. What are some other factors that vary from person to person? [Pause to allow responses from the class.]
Environmental factors can also have an influence on our food choices. These are aspects of a setting, atmosphere, or location that influence an individual's choices. Layout, marketing, climate, weather, price, and availability are examples of environmental factors. What are some other environmental factors?

[Pause to allow responses from the class.]

Let's go over an example. Matt and his daughter Gina are at a family barbecue. Matt chose to eat spicy chicken wings and carrot salad. He avoids the green salad, because it contains cilantro. Matt selects a plate of food for Gina. Gina eats a hot dog (but not the bun) and some fruit salad. She picks out all the honeydew and only eats the watermelon, grapes, and strawberries.

Now let's discuss some examples of factors that may have influenced Matt and Gina's food choices.

What do you think might have influenced their choices?

[Pause to allow responses from the class.]
Let’s look at personal factors impacting Gina’s food choices: Let’s begin with her taste preferences: Gina hates spicy food, loves watermelon and strawberries. The fact that she is at the age where children are typically resistant to trying new foods may also be a factor that influences her food choices. Some personal knowledge may also have an influence on her food choice. For example, Gina has heard that some foods help you run fast, which might make her want to eat these foods. An example of a genetic factors that may impact her food choice is the fact that Gina has a gene that makes cilantro taste bad.

Now let’s look at personal factors impacting Matt’s food choices: Let’s begin with his taste preferences: Matt loves spicy food, hates cilantro.

The fact that he didn’t eat breakfast and is very hungry by lunchtime most likely also impacted his food choices. Some personal knowledge may also have an influence on his food choice. For example, Matt knows that carrots are good source of vitamin A. An example of a genetic factor that may impact his food choice is the fact that Matt, like Gina, has a gene that makes cilantro taste bad.
Now let's take a look at environmental factors impacting Gina and Matt's food choices:

There may be some agriculture factors that influenced Gina & Matt’s choices. For example, watermelon and strawberries are in season. The placement of food can also be an environmental factor. For example, all of the food is laid out on a single table. There is one long line to get food. Time is another factor. For example: Matt hurries when selecting food since others are waiting and Gina is hungry. The setting of the BBQ may also influence choice. For example, the barbecue is at a park & Gina rushes to eat her lunch, so she can play on the playground equipment. Park rules may also be a factor. For example, glass containers are prohibited, so Matt brings canned beverages. Finally, Weather may be a factor: The fact that it is 88 degrees and humid are environmental factor that most likely will affect Matt and Gina's food choices.

It is important to note that many of these influences are not set in stone. Even personal taste preferences can change.

What are some examples of the way influences on our food choices can change over time?

[Pause to allow responses from the class.]
Why does this matter? By being more aware of environmental and personal factors, we can make smarter choices.

Let’s go over some examples of how we can use environmental factors to improve food choices. If you remember the food at the BBQ that Matt and Gina attended was served on one long table, Matt may not have been making the best choices because he was rushed to get through the line.

How could the food have been arranged differently to encourage smarter choices?

[Pause to allow responses to the class.]
7.3: Goal Setting Activity

Overview

In this activity, participants will use what they’ve learned to set goals about being more aware of influences on their food choices and influences on student food choices in the lunchroom.

Getting Ready

Time Required
5 minutes

Materials Needed
(Materials provided in the curriculum)

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<td>□ Focus on Food Lesson 7 Newsletter (Handout 7-C)</td>
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Preparation

Handouts

1. Make copies of the following handouts:
   - Goal Setting – Understanding Influences on Food Choices handout (Activity Sheet 7-B), one for each participant.
   - Optional: Focus on Food Lesson 7 Newsletter (Handout 7-C), one for each participant.
Optional
2. Connect laptop to projector. Load Focus on Food Lesson 7 (PowerPoint).
3. Queue the PowerPoint presentation to Slide 20.

Procedure
1. **Say:** Now let’s move on to Goal Setting! *(Slide 20)*
   We’ve talked about how a variety of factors can influence our food choices. The next step is to set some goals and make a plan. I am going to distribute a Goal Setting handout that has the following questions: *(Slide 21)*
   - What are some ways you can be more aware of the influences on your food choices?
   - What are some ways you have the opportunity to influence student food choices in the school meal program?

2. **Do:** Provide a copy of the Goal Setting – Understanding Influences on Food Choices handout *(Activity Sheet 7-B)* to each participant. Allow participants a few minutes to complete the handout.

3. **Say:** Would anyone like to share the goals they set for themselves?

Optional:
4. **Say:** I’m going to distribute one last handout, which is a newsletter with some extra information you might be interested in. Thank you all for participating in Lesson 7! *(Slide 22)*

5. **Do:** Provide a copy of the Focus on Food Lesson 7 Newsletter *(Handout 7-C)* to each participant.
Joanna

Joanna is a 35-year-old woman living in sunny Arizona. After a long and stressful day at work, she hops in her car and blasts the A/C. Her car thermometer reads 108° F. On her way home she decides to stop by the self-serve food bar at the local supermarket. Her food options include meatloaf and mashed potatoes ($5), vegetable barley soup ($3), or a fresh Chinese chicken salad ($5). Her beverage choices include hot coffee ($2), bottled water ($1), or ice-cold lemonade ($1.50). She selects the salad and lemonade. As she is paying for her meal at the check-out counter, she spots a double chocolate brownie ($1) and decides to purchase that, too.

What factors could have influenced Joanna’s choices for dinner?
Maria

Maria is 11-years-old and in sixth grade. One of her favorite activities is to play a trading card game about magical animals with her friends during the 20-minute lunch period. There are three lunch lines in the cafeteria. The first two lines each have a salad bar, followed by hot food choices. In these lines, students have a choice of two entrée selections, several different sides, and non-fat chocolate milk or low-fat white milk. One of today’s entrée selections is pepperoni pizza, Maria’s favorite. The third line is a grab-and-go line. This line serves Southwest spinach salad topped with diced chicken, corn, peppers, and black beans. The salad comes packaged with a whole-grain roll, an apple, and low-fat white milk. Maria sees that the grab-and-go line is the shortest, and chooses this one. Once she has her lunch, she hurries to join her friends.

What factors could have influenced Maria’s choices for lunch?
Conner is a 19-year-old Jewish college student living in New York. His alarm clock goes off at 7am. After hitting the snooze button three times, he rolls out of bed and gets ready for his morning class at the university. Bundled up in his warmest winter coat, Conner decides to stop by the local convenience store to pick up something to eat on his way to class. His breakfast choices include a ham and cheese breakfast sandwich ($3), an egg and pancake platter ($5), a fruit and yogurt parfait ($3), or a donut ($1). His beverage selections include chocolate milk ($1), water ($1), and coffee ($1). Conner purchases the coffee and a donut and rushes to class.

What factors could have influenced Conner’s choices for breakfast?
Joey

Joey is a five-year-old boy. His favorite commercial stars a panda bear that loves to eat peanut butter and chocolate flavored cereal. One evening, Joey gets dropped off at his grandma’s house. His grandma is tired and is not feeling very well, so she lets Joey select anything he wants from the pantry for dinner. The pantry is full of items such as trail mix, vegetable soup, granola bars, instant macaroni and cheese, canned salmon, peanut butter and jelly, and a wide selection of cereals. Joey selects the peanut butter and chocolate flavored cereal for dinner.

What factors could have influenced Joey’s choices for dinner?
Daniel

Daniel is a 42-year-old father of four children under ten who makes a modest salary for a living. It is his night to take care of the children, including selecting what restaurant they will eat at for dinner. The family dinner choices include a taco special that includes two tacos and a free quesadilla with the purchase of a large drink at a fast food restaurant ($5), an all-you-can-eat sushi buffet meal at a sit-down restaurant ($20), or a complete fresh fish meal including the catch of the day, jasmine brown rice with herbs, grilled local vegetables, and bottomless strawberry infused water ($25). Daniel chooses the taco place for his family.

What factors could have influenced Daniel’s choices for his family dinner?
Fatima

Fatima is a 23-year-old woman that happens to be lactose-intolerant. She is excited for her trip to Cabo San Lucas, Mexico. During her taxi-ride to the airport, Fatima sees a billboard with a famous supermodel advertising a luxury shoe company. While waiting for her flight, she flips through her fashion magazine filled with slim models. Lunchtime arrives and she decides to buy lunch at the airport. Her lunch choices include a burger and fries ($9), a small Greek salad with low-fat cheese ($12), a fruit and yogurt parfait ($6), or a weight loss bar ($4). Fatima purchases the weight loss bar for lunch.

What factors could have influenced Fatima’s choices for lunch?
Goal Setting – Understanding Influences on Food Choices

1. What are some ways you can be more aware of the influences on your food choices?

2. What are some ways you have the opportunity to influence student food choices in the school meal program?
Focus on Food Lesson 7 Newsletter

The optional newsletter on the following pages is designed to help reinforce the concepts learned. If offering this course in a single workshop, you may wish to distribute the lesson newsletters weekly in order to help refresh participants’ memory and solidify the concepts.
Understanding Influences on Food Choices

In this issue...

Personal Factors
Environmental Factors
How Do Restaurants Use These Concepts to Influence Choices?
But What About the Lunchroom?
Which Factors Have More of an Influence on You: Personal or Environment? Take our Quiz to Find Out!

Did you know?

Even our genes have an influence on the food choices we make. Some foods taste yummy to some people, but bitter to others. Although this does not account for the majority of taste preferences, it does play a role in why there are certain foods some people just don’t like.

Factor This

You may not notice them, but there are several factors of influence that come into play while you’re making decisions every day. Certain factors are especially important when you’re making food choices. Think about the last thing you ate. Why did you eat it? Were you extra hungry? Was that food item the most convenient because you were in a hurry? Did you see an advertisement that made you want a certain food? Or was it something else? Understanding the different factors, personal and environmental, that influence our food choices will help you understand why we choose to eat certain foods.

Turn the page to learn more about factors of influence!

Try it yourself!

Did you know using a smaller plate might help to eat less? Research shows that people take and eat less food when using a smaller plate compared to a bigger one!
Personal Factors

Personal factors influence food choices differently from person to person. There may be one factor, such as knowledge, that is very important to one person, but does not matter to another person. The variability in what can influence food choices at the individual level is something that helps make us unique from one another. Below is an example of how personal factors influence Justin’s food choices.

**Health Status**
Justin is very healthy and tries to maintain his weight with a balanced diet. Due to this, he is more likely to choose more nutrient-dense foods.

**Mood**
Justin is in a great mood! Due to this, he is more willing to go out with friends to eat.

**Knowledge**
Justin reads Local Health Department reports online regularly. These reports help him determine whether he’d like to try a new restaurant or not.

**Genes**
Justin has a gene that makes bitter foods taste really bitter. Due to this, there are certain foods he will pass on every time.

**Special Diet Requirements**
Justin has no special diet requirements. This individual factor does not influence his food choice, but may be important for another person.

**Hunger Level**
Justin is very hungry! He’s looking forward to a large meal.

**Ethnicity**
Justin is part Italian and is always willing to eat Italian cuisine.

**Age**
Justin is 22 years old. He is interested in trying different ethnic cuisines and new trendy food items.

**Personal Income**
Justin is a full-time college student and works part-time at the movie theater. After paying for school and rent, he doesn’t have much money left for food.

**Personal Taste Preference**
Justin loves spicy food. He would like to eat something really spicy.
Environmental Factors

Environmental factors influence food choices a little differently than individual factors because they can apply to each person or to an entire group of people. Also, environmental factors may influence your food choices without you even realizing it. Below are a few examples of different environmental factors.

Can you think of any others?

Weather
Ever crave ice cream on a hot day? What about a warm bowl of soup when it’s cold?

These food choices are influenced by the weather.

Ambiance
The ambiance of a location may also influence if you choose to eat there. For a special occasion, do you want an elegant candle lit dinner or something more casual?

Government Policies
Government policies can directly affect other factors which in turn can influence food choices. For example, government policies might influence the cost of raw materials which could alter prices. The resulting changes in price could influence food purchases.

Availability
Sometimes the food you actually want may not be available. You will then have to decide to either make a substitution or not have that food at all. On the other hand, there are food items, such as apples, that tend to regularly be available. Knowing that you can almost always get a food item may influence your decision as well.

How do restaurants use these concepts to influence choices?
Although some factors of influence may be more easily identified as environmental, like weather or climate, others may surprise you.

For example, a buffet-style restaurant might place items in a certain order knowing that people will tend to take more of the first few items. The restaurant could use this layout to put lower cost items in the front and higher cost items in the back of the buffet.
But What About the Lunchroom?

Students have several choices in the lunchroom. Examples of the factors that may play a role in their decision-making in the lunchroom are highlighted below.

**Length of the serving line**

The length of the serving line may influence a student’s food choice. A student in a rush may opt for the shortest line while a student whose favorite food is being served may be willing to wait in a longer line.

**Presence of colorful fruits and vegetables on the salad bar**

Visual appeal is very important to students. Fruits and vegetables that are colorful and look fresh may draw more students to the salad bar.

**Time available for purchasing and consuming the meal**

Time plays a role in students’ food choices in the lunchroom. Some students may want to purchase and eat lunch as soon as possible to get out to recess faster. Other students may want to purchase their food quickly in order to have more time to consume the meal.
Which Factors Have More of an Influence on You: Personal or Environmental?
Take our Quiz to Find Out!

1. Your favorite food is your favorite because…
   b. It reminds you of something you ate growing up.
   c. It is always easy to find.

2. There are certain foods you eat because…
   a. They are healthy and nutrient-dense.
   b. You saw an advertisement on TV for them.

3. When figuring out what to eat, the most important thing is…
   a. The taste of the food.
   b. How much time you have to eat the food.

4. You buy local produce because…
   a. It is cheaper and you’re on a budget.
   b. It supports local farms and agriculture.

The Results Are In!
Total up the number of A’s and B’s that you selected.

If you chose mostly A’s:
Your food choices are more influenced by personal factors than by environmental factors. For a review of individual factors, see page 2.

If you chose mostly B’s:
Your food choices are more influenced by environmental factors than by personal factors. For a review of environmental factors, see page 3.

If you chose the same number of A’s and B’s:
Your food choices are equally influenced by individual and environmental factors.