

# Passports



## ***Celebrating Science: Science in Your Kitchen***

**Grade: 3-5**

### **Description of our Tour:**

As the weather turns colder, the month of November brings one of the tastiest holidays, Thanksgiving! In this Passport students will explore some of the science behind the dinner that is prepared in their kitchens every year. They will also learn what happens as all of the yummy treats enter their bodies for digestion. This is a great Passport for any class studying the body systems or nutrition.

### **Information for Trip Leader:**

#### **Lesson Outcomes:**

The student will:

- Learn about Thanksgiving activities
- Understand the process of digestion
- Understand how digestion happens in the human body

#### **Activities:**

##### ***Activity # 1: I am Thankful***

This worksheet will help students reflect on the meaning on Thanksgiving. It gives students a chance to list out everything that they are thankful for this Thanksgiving. Once finished, the students can color it and share their thoughts with the rest of the class.

##### ***Activity # 2: Dinner with Grandpa***

This cute story can be read allowed to the class before or after participating in the session. Read the story to your class, have them read it on their own, or they can read it to each other. Afterwards, have them complete the questions on their own, or ask the questions aloud to the entire class.

#### **Challenge Questions:**

1. *How does a stove cook a turkey?*
2. *When was the first Thanksgiving dinner?*
3. *What happens to food when you eat it?*



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## Responses:



1. Students should mention something about heat cooking the turkey.
2. Students should be familiar with the story of the pilgrims; you may want to review this.
3. Young students may not know the term digestion but they should know that the human body uses food for energy.

## Vocabulary Words:

**Thanksgiving** - A day set apart for giving thanks - Thanksgiving Day

**Turkey** - A large bird eaten on Thanksgiving Day

**Digestion** - The process of breaking down food for energy

**Mouth** - Where food enters the body

**Esophagus** - A tube for food passage, connecting the mouth to the stomach

**Stomach** - An organ where food is broken down

**Saliva** - A liquid made by the mouth which helps to break down food

**Intestines** - The part of the digestive system extending from the stomach to the anus

**Anus** - The opening at the end of the digestive system where solid waste is released

## Web Resources:

[http://www.teach-nology.com/teachers/lesson\\_plans/holidays/thanks/](http://www.teach-nology.com/teachers/lesson_plans/holidays/thanks/)

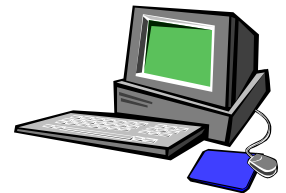
This website has Thanksgiving lesson plans and activities for elementary students.

<http://resources.kaboose.com/games/thanks.html>

This site has great games and activities related to Thanksgiving.

<http://www.yucky.com/body/systems/digestion>

Activities and fun facts related to digestion



## Writing Prompts:

- I like Thanksgiving because...
- At Thanksgiving my family eats?
- How do you help make the Thanksgiving dinner?
- Before I eat Thanksgiving dinner I feel...
- After I eat Thanksgiving dinner I feel...
- What happens to the food after you eat?

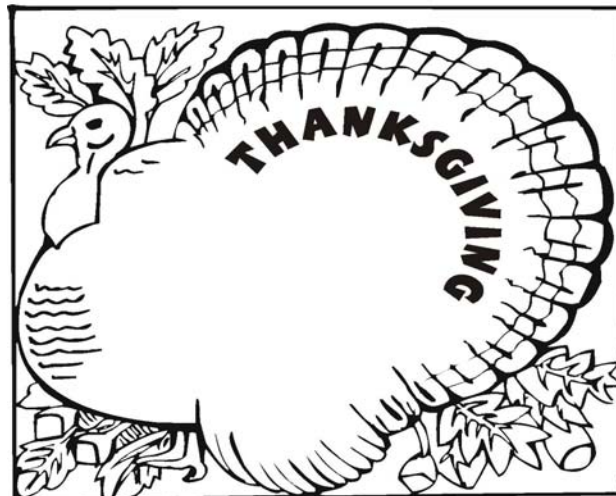
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## *Thanksgiving Worksheet*

**Directions:** Make a list of the things you are Thankful for.

**I Am Thankful for....**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



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## Dinner with Grandpa

**Directions:** Read the following story and answer the question below.

Christie was happy. Grandma and Grandpa were coming over. Christie liked to play with Grandma and Grandpa.

Christie played with Grandma and Grandpa outside. She ran. She rode her bike. She climbed up a tree.

Mom called Christie for dinner. Mom called Grandma and Grandpa, too. Christie did not want to eat. She wanted to play.

"Christie!" Mom yelled.

"I want to play!" Christie yelled back. "I do not want to eat now."

Grandma and Grandpa talked to Christie. "We are hungry," they said. "Please come eat with us."

"OK," Christie said.

Grandpa said, "Good girl, Christie. You will be happy you had dinner. Food helps you to play."

Christie and Grandpa sat down to eat.

"Your body has a food factory in it. Do you smell the food your Mom made?" Grandpa asked.

"Yes," said Christie. "My mouth is wet."

"That's how your food factory starts. Your mouth gets wet. Your teeth chew the food. Big food gets smaller."

"What happens next?" said Christie.

"The food gets so small. It can fit down a tube. It goes to your stomach. The stomach is a big bag. It can hold all the food you eat. It makes the food even smaller."

### Questions:

1. From your mouth, food goes down a big \_\_\_\_\_.
2. Is your stomach like a big bag? \_\_\_\_\_
3. What happened to Christie's mouth when she smelled the food? \_\_\_\_\_
4. In Christie's food factory does food get smaller or bigger? \_\_\_\_\_
5. How do Christie's teeth help her eat? \_\_\_\_\_

