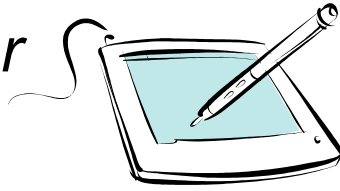


# Teacher Notes



## Activity 5.7 Creating the Ice Cream

2 class periods

### Introduction

As a team, students will create an ice cream product.

### Teacher Resources

- Big 6© organizational chart (blank)
- Rules and Expectations for Cooperative Group Work handout (blank)
- Team Roles and Responsibilities (Assistant 1, Assistant 2 and Assistant 3)
- Tutorial – Creating your Ice Cream product
- Rubric for Designing the Company Web Site

### LOTI

- Level .....2
- Category.....Exploration
- Description – Technology based tools serve as a supplement (e.g., tutorials, educational games, simulations) to the existing instructional program. The electronic technology is employed either for extension activities or for enrichment exercises the instructional program.

### Activity Objectives

- ✓ Students will use the BIG 6© method as it applies to problem based learning strategies
- ✓ Assignment of roles of the team members – Assistant One, Assistant Two, and Assistant Three
- ✓ Collecting/Mixing the ingredients
- ✓ Creating the final product

### Motivate and Engage

Describe some of the ice cream flavors that were popular (according to the survey information from Activity 5.2). Go to the Hershey Syrup web site. Allow student to go into the Kids Zone where they can create their own virtual ice cream and make their own labels - <http://www.hersheysyrup.com/>

# Activity 5.7

## Creating the Ice Cream

2 class periods

### Instructional Procedures

	Classroom Activities	Classroom Discussion
<b>Admin Tasks</b>	<ul style="list-style-type: none"> <li>• Have the Big6© graphic organizer, Rules and Expectations for Cooperative Group Work, Team Roles and Responsibilities available for all students</li> <li>• Have the How to Create your Product handout available to all students</li> <li>• Give the Creating the Ice Cream Product rubric to each team leader (Assistant 1)</li> </ul>	

Teacher Notes -



# Activity 5.7

## Creating the Ice Cream

2 class periods

	Classroom Activities	Classroom Discussion
<b>Student Tasks</b>	<ul style="list-style-type: none"> <li>• Complete a Big6© Graphic Organizer</li>         <li>• Review the Rules and Expectations of Cooperative Group Work with the teacher and fellow classmates</li> <li>• Participate in the assignment of group roles by the teacher</li> <li>• Complete assignment according to the team roles and responsibilities</li> </ul>	<ul style="list-style-type: none"> <li>• What is the information problem?</li> <li>• What information do we need?</li> <li>• Where will we get it?</li> <li>• How will you review and put it together?</li> <li>• What did you learn? (after activity)</li> </ul>

Teacher Notes -

# Activity 5.7

## Creating the Ice Cream

2 class periods

	Classroom Activities	Classroom Discussion
<b>TEKS</b>	TEKS 11 (Communication) Delivers the product electronically in a variety of media, with appropriate supervision. A. Publish information in a variety of ways including, but not limited to, printed copy, monitor display, Internet documents, and video	

Teacher Notes -

## Activity 5.7

# Creating the Ice Cream

2 class periods

### Extension

- Create other ice cream flavors based on other combinations of candy, fruit, etc.

*Materials*



**Activity 5.7**  
**Creating the Ice Cream**  
2 class periods

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# Activity 5.7

## Creating the Ice Cream

2 class periods

### Materials

Name: \_\_\_\_\_

Class: \_\_\_\_\_ Date: \_\_\_\_\_

Super 3	Big6		Notes
<b>1. Plan</b>	I. Task Definition	a. What is the information problem? b. What information is needed to solve the problem?	
	II. Information Seeking Strategies	a. What are all the possible sources of information needed? b. Which of the sources are the best?	
<b>2. Do</b>	III. Location & Access	a. Where can you actually get or find the information sources? b. How will you get to the information?	
	IV. Use of Information	a. How will you review the information? b. How will you take notes on the information?	
	V. Synthesis	a. How will you put the notes and ideas together? b. How will you present the information you have gathered?	
<b>3. Review</b>	VI. Evaluation	a. How well did your product match the requirements set for the assignment? b. What did you learn—and how can you improve—the process you went through to solve the information problem?	

# Activity 5.7

## Creating the Ice Cream

2 class periods

### Materials

Rules and Expectations for Cooperative Group Work

As we work in our groups, we will:

- Listen actively to and values the opinion of others
- Show a thorough understanding by being:
  - Consistent and actively working toward group goals
  - Sensitive to the feelings and learning needs of all group members
  - Willing to accept and fulfill individual roles within the group
  - Consistent and actively contributing our knowledge, opinions, and skills
  - Able to value the knowledge, opinion and skills of all group members and encouraging their contribution
  - Able to help our group identify necessary changes and encouraging group action for change
- Adhere to the rules of our social contract (Capturing Kids Hearts)

---

Student Signature

---

Date

# Activity 5.7

## Creating the Ice Cream

2 class periods

### Materials

Team Roles and Responsibilities  
Assigned by teacher

Assistant 1	Assistant 2	Assistant 3
<p>Responsible for:</p> <ul style="list-style-type: none"><li>• Collection of paperwork from the teacher</li><li>• Maintain order with the group</li><li>• Taking over the job of the Assistant 2 or Assistant 3 if the student responsible for the activity is absent</li><li>• Collecting the ingredients</li><li>• Mixing the ingredients</li></ul>	<p>Responsible for:</p> <ul style="list-style-type: none"><li>• Preparing the packaging</li><li>• Recording all directions or notes given to the class via the teacher or handouts. Assistant 2 should be able to “re-teach” a step or process, if necessary</li></ul>	<p>Responsible for:</p> <ul style="list-style-type: none"><li>• Filling the containers with ice cream</li></ul>

**Activity 5.7**  
**Creating the Ice Cream**  
2 class periods

**Materials**  
Creating the Ice Cream

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# Activity 5.7

## Creating the Ice Cream

2 class periods

### Materials

#### *For the Teacher*

Before the start of the lesson, please take the time to make sure the room has been prepared:

#### **Step 1 –**

This lesson should take place in an area with access to a sink (an old home economics room, a location near the cafeteria, etc.)

#### **Step 2 –**

Assemble the ingredients brought by the students. Remember to have enough vanilla ice cream for all class periods

#### **Step 3 –**

Make sure every table or team has access to the following supplies:

- ✓ Large mixing bowl
- ✓ Wooden spoon
- ✓ Large Spatula
- ✓ Pair of scissors
- ✓ Cutting board
- ✓ Plenty of paper towels

#### **Step 4 –**

Make sure the containers for the product are also available for each group:

- ✓ Any foam or plastic cup (5 oz or smaller)
- ✓ A plastic lid that will fit the cup
- ✓ Small plastic spoons

# Activity 5.7

## Creating the Ice Cream

2 class periods

### Materials

#### *For the Students*

Before the start of the lesson, please take the time to prepare by reviewing the rules and expectations for cooperative group work and remember your team roles and responsibilities!!!

#### Step 1 -

Wash your hands and clean your preparation area before you start assembling your ingredients

#### Step 2 -

Place your ingredients on your cutting board

Open all packages using the scissors

If your ingredients need to be cut up  
– Carefully use the knife

If your ingredients need to be smooched – Use your wooden spoon

#### Step 3 -

Mix your vanilla ice cream and your ingredients in the mixing bowl

Add any syrup or toppings at this time



## Activity 5.7

### Creating the Ice Cream

2 class periods

#### Materials

Step 4 -  
Use the spatula to scope your  
ice cream into your containers

Prepare at least 4 to 6 cups of  
your ice cream

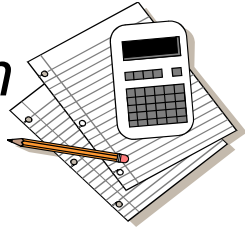


Step 5 -  
Trade your ice cream according to the directions given to you by  
your teacher

Step 6 -  
Clean your area and  
your equipment prior to  
leaving the area



# Evaluation



## Activity 5.7 Creating the Ice Cream

2 class periods

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# Activity 5.4 Creating the Ice Cream

2 class periods

## Evaluation

Rubric for Creating the Ice Cream

Company Name: \_\_\_\_\_

Class: \_\_\_\_\_ Date: \_\_\_\_\_

	Beginning 1	Accomplished 2	Exemplary 3	
Organization	Didn't help with the production of the ice cream	Helped somewhat	Was willing to help at all times	
Flavor of Ice Cream	Taste combination with ingredients was terrible	Taste combination was ok	Incredible taste and flavor. Great combination of ingredients	
Texture of Ice Cream	Texture was to chunky or ingredients to big to swallow	Texture was ok	Incredible texture. Ingredients were just the right size	
			Total	
			Grade for Team	