

Gifts of Gold Content Standards
Lesson 2: Food, Family and Fun: Consumer Science
Grades: K-2

Project Area Skill refers to the subject matter which youth demonstrate in relation to the correlating content standard.

Objective:

Art-

Content Standard 1: Learn and develop the essential skills and technical demands unique to dance, music, theatre/drama, and visual arts.

Benchmarks: K-4: A

Project Area Skill: The youth will put on short dramatizations in groups. Their assignment will be to create a presentation about breakfast and why it is important to them. Not only will they use their theatrical skills to express to a group interpretation of breakfast but they may also introduce corn products that youth eat for breakfast such as cereals and tortillas.

Content Standard 5: Observe, discuss, analyze, and make critical judgments about artistic works.

Benchmarks: K-4: B,C

Project Area Skill: After the youth have performed their skit, the group will sit together and discuss the emotional and physical aspects of what the youth were trying to get across to the observer about the importance of eating breakfast in the morning.

Content Standard 8: Contribute to communities by sharing expertise in dance, music, theatre, drama, and visual arts and by participating in the activities of cultural institutions.

Benchmarks: K-4: B,C,D

Project Area Skill: The youth will watch their peers perform a short skit about the importance of eating breakfast in the morning. They will practice appropriate behavior by listening and later discussing the meaning of the presentations.

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Career Readiness-

- 1. Students will identify their career interests and aptitudes to develop an educational plan which supports personal career goals.**

Benchmarks: K-4: A,B

Project Area Skill: The youth will learn how corn is grown and the products corn is used in today. They will practice a variety of skills that can be used for future careers such as determining the nutritional aspects of food, documenting observations in charts and growing corn for the food industry.

- 2. Students will utilize and manage resources effectively to produce quality services and products.**

Benchmarks: K-4: A,B

Project Area Skill: The youth will work together to complete activities such as making corn tortilla's and corn storybooks. They will make and complete short term goals to finish their activity within a short period of time as well as responsibly use materials to cook and create quality products.

- 3. Students will demonstrate the technological knowledge and skills required for future careers.**

Benchmarks: K-4: A,B

Project Area Skill: The youth have the option of testing out their knowledge of corn by playing games on the computer CD "crazy about corn" provided in the curriculum box. Furthermore they will use age appropriate tools such as cooking utensils to make tortilla's and pudding.

4. Students will develop and demonstrate responsible and ethical workplace behaviors.

Benchmarks: K-4: B,C

Project Area Skill: While creating skits in a group, making corn story books and mixing up pudding the youth will demonstrate positive interaction in a group. They will also apply effective work habits to complete their work within a specified time limit.

5. Students will develop effective leadership, interpersonal, and team skills.

Benchmarks: K-4: B,C,D

Project Area Skill: While creating their skits, the youth will delegate tasks and roles among one another. They will interact positively while participating in exciting activities such as putting on a performance or creating a food product.

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Language Arts-

- 1. Reading and Listening for Comprehension: students will apply strategies and skills to comprehend information that is read, heard, and viewed.**

Benchmarks: K-4: A,B,C,D

Project Area Skill: The youth will follow directions given to them by their group leader. They will also read and follow the directions listed on the activity worksheet their group leader will give them during a meeting. They will review new vocabulary words such as fiction, nonfiction, author and illustrator listed on their worksheet. Furthermore the youth will interview a person of a different culture to gain awareness and appreciation of a different point of view.

- 2. Writing and Speaking for Expression: students will communicate effectively through speaking and writing.**

Benchmarks: K-4: A,B,C

Project Area Skill: The youth will demonstrate their understanding of how corn is grown and the way it is used by creating a storyboard, writing and illustrating a story. They will also learn about cultures and write a story about their grandparents and their activities. Furthermore the youth will listen to a poem about corn and develop a poem themselves about their family.

3. **Literature and Media:** students will use literature and media to develop an understanding of people, societies, and the self.

Benchmarks: K-4: A,B

Project Area Skill: The youth will listen to various sections of “Corn is Maize” by Aliko. They will identify and understand the different cultures that use corn and how corn evolved from a type of grass plant. Furthermore, they will also understand how different cultures use corn by participating in songs written about corn as well as watch a video created to educate the youth about corn, products created from corn, and the various cultures around the world that use it.

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Math-

- 1. Measurement: students will understand measurement systems and applications.**

Benchmarks: K-4: A,B

Project Area Skill: The youth will measure the four largest popped kernels of popcorn from their experiment. They use units of measurement that are standard, or may adapt non-standard units of measurements if the resources needed are not available.

- 2. Data Analysis and Probability: students will understand how to formulate questions, analyze data, and determine probabilities.**

Benchmarks: K-4: A,B,C

Project Area Skill: To help the youth learn about how they use corn in their everyday lives the youth will document the breakfast foods they eat every day for a week. They will also use recording skills to document the number of kernels popped using various popping methods. Furthermore the youth will understand the importance of organizing data in charts to aid them in discussing the outcomes of their experiments with their peers.

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Science-

Strand I: Scientific Thinking and Practice

Standard I: understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically.

K-4 Benchmarks: I,II,III

Project Area Skill: The youth will experiment with popcorn. In one experiment they will fill up a jar with popcorn and water and discuss what happens. They will also pop popcorn and record in a chart the measurements of the four largest kernels, the number of kernels that pop, and draw out what a kernel looks like before and after it is popped. Furthermore the youth will discuss their findings of the experiment as a group.

Strand II: Content of Science

Standard I: Physical Science: Understand the structure and properties of matter, the characteristics of energy, and the interactions between matter and energy.

K-4 Benchmarks: II

Project Area Skill: The youth will watch as kernels of corn interact with heat and oil to change forms and “pop”. The youth will understand how a kernel alone cannot pop unless heat is applied.

Strand II: Content of Science

Standard II: Life Science: Understand the properties, structures, and processes of living things and the interdependence of living things and their environments.

K-4 Benchmarks: III

Project Area Skill: The youth will learn the importance of washing their hands before preparing food to prevent spread of disease. To help them remember the proper method in doing this, the youth will be taught to sing the ABC song as they are washing their hands. They will also learn about the nutritional aspects of corn and how important it is for the youth's body as a source of "energy".

Strand III: Science and Society

Standard I: Understand how scientific discoveries, inventions, practices, and knowledge influence, and are influenced by, individuals and societies.

K-4 Benchmarks: I

Project Area Skill: The youth will learn that hand washing is a way to prevent the spread of germs, especially before cooking and eating. Furthermore they will learn the proper technique for effectively washing off the germs by singing the entire ABC song as they rub their soapy hands together under the water.

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Social Studies-

- 1. History: Students are able to identify important people and events in order to analyze significant patterns, relationships, themes, ideas, beliefs, and turning points in New Mexico, United States, and world history in order to understand the complexity of the human experience.**

Benchmarks: K-4: A,C

Project Area Skill: The youth will learn about cultures in their community by conducting an interview with a person of their choice. They will be encouraged to ask the interviewee about their birth place and the family and cultural traditions they observe every year. They will also ask the interviewee for their favorite corn recipe. Also, the youth will go to a local park and observe the families who spend time there; they will then draw a picture of what they saw.