




Lesson 1

Food Science and technologies



A decorative network diagram in the top right corner, consisting of various sized circles (nodes) connected by thin lines (edges). Some nodes are solid grey, while others are hollow with a grey outline. The connections form a complex, branching structure.


Next Generation Science/Common Core Standards Addressed!

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- A decorative network diagram in the bottom left corner, similar to the one in the top right, with nodes of different sizes and styles connected by lines.
- © CCSS.ELA-Literacy.RST.9-10.6 Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text, defining the question the author seeks to address.



Agriculture, Food, and Natural Resource Standards Addressed

◎ FPP.02.03. Apply principles of human behavior to develop food products to provide a safe, wholesome and nutritious food supply for local and global food systems.

- FPP.02.03.02.a. Research and summarize relevant factors in planning and developing a new food product (e.g., regulation, creativity, economics, etc.).
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Bell Work!

- ◎ Define food science.
- ◎ Describe why food science is important and how it improves quality of life.



Terms

- ⦿ Deterioration
- ⦿ Domestication
- ⦿ Food-borne illness
- ⦿ Food Science
- ⦿ Microbes
- ⦿ Preservation
- ⦿ Process



Interest Approach

- ① What is your favorite type of food?
- ① What are foods that have gone through some type of processing?

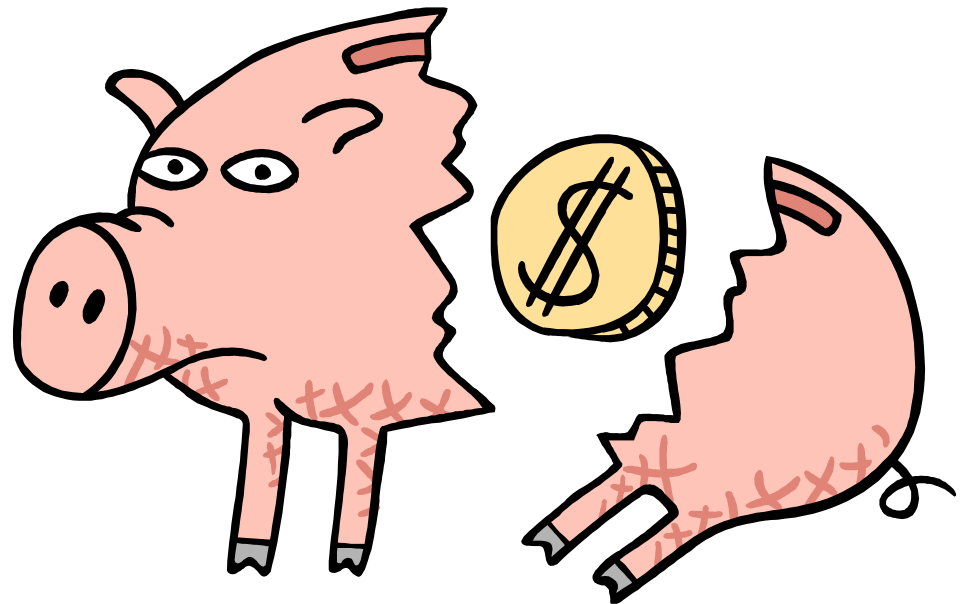
Crazy Careers

Yes, they are real jobs!




Student Learning Objectives

- ◎ Describe how the study of food science makes people better consumers.






What is food science?

- ◎ *Food science* is the study of the substances we eat, their makeup, and the processes used to alter them.
 - ◎ When a food is processed, it is altered in some form from its original condition.
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Two reasons that food is processed.

- ◎ To make them more suitable in taste or nutritional value.
 - ◎ To make them available longer for consumption.
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Why is it important to study food science?

- © Food science is used to discover new ways to process existing foods and to discover new types of foods.



Where Food Scientists Work

