Topic: Foods **Title:** Tasty Tidbits **Level:** 2

New Hampshire Science Curriculum Framework **Grade level:** K - 6 (5 - 8)

	Science																								Career Development						
	Science as Inquiry	Science, Technology, and Society						Life Science				Earth/ Space Science			Physical Science							Unifying Themes and Concepts				Core Educational Learning			Indivdual & social learning		Career Learning	
	1a	2a	2b	2c	2d	2e	2f	3a	3b	3c	3d	4a	4b	4c	5a	5b	5c	5d	5e	5f	5g	6a	6b	6c	6d	1	2	3	4	5	6	7
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Benchmarks for Project 2061 **Grade level:** 3 - 5

	Nature of Science			Physical Setting							Living Environment						Human Society						Designed World						Human Organism					
	Scientific Worldview	Scientific Inquiry	Scientific enterprise	Universe	Earth	Processes That Shape the Earth	Structure of Matter	Energy Transformation	Motion	Forces of Nature	Diversity of Life	Heredity	Cells	Interdependence of Life	Flow of Matter and Energy	Evolution of Life	Cultural Effects of Behavior	Group Behavior	Social Change	Social Tradeoffs	Social Conflict	Global Interdependence	Agriculture	Materials and Manufacturing	Energy Sources and Use	Communication	Information Processing	Health Technology	Human Identity	Human Development	Basic Functions	Learning	Physical Health	Mental Health
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Foods – Tasty Tidbits	
Level 2 – Grade 5 - 6	
Project 2061 Benchmarks (Grade 3 - 5)	
The Nature of Science	
Activity	**Scientific Inquiry**
5 – 7, 9, 17, 20, 21	Scientific investigations may take many different forms, including observing what things are like or what is happening somewhere, collecting specimens for analysis, and doing experiments. Investigations can focus on physical, biological, and social questions.
The Physical Setting	
	Structure of Matter
9	Heating and cooling cause changes in the properties of materials. Many kinds of changes occur faster under hotter conditions.
Human Society	
	Cultural Effects of Behavior
15, 22, 23	People can learn about others from direct experience, from the mass communications media, and from listening to other people talk about their work and their lives. People also sometimes imitate people-or characters-in the media.
	Social Tradeoffs
3 - 8	In making decisions, it helps to take time to consider the benefits and drawbacks of alternatives.
The Designed World	
	Agriculture
9 – 11, 16 - 19	Heating, salting, smoking, drying, cooling, and airtight packaging are ways to slow down the spoiling of food by microscopic organisms. These methods make it possible for food to be stored for long intervals before being used.
	Materials and Manufacturing
1	Naturally occurring materials such as wood, clay, cotton, and animal skins may be processed or combined with other materials to change their properties.
The Human Organism	
	Basic Functions
2	From food, people obtain energy and materials for body repair and growth. The indigestible parts of food are eliminated.

	Physical Health
1, 2, 4	Food provides energy and materials for growth and repair of body parts. Vitamins and minerals, present in small amounts in foods, are essential to keep everything working well. As people grow up, the amounts and kinds of food and exercise needed by the body may change.
9, 11	If germs are able to get inside one's body, they may keep it from working properly. For defense against germs, the human body has tears, saliva, skin, some blood cells, and stomach secretions. A healthy body can fight most germs that do get inside. However, there are some germs that interfere with the body's defenses.

Foods – Tasty Tidbits	
Level 2 – Grades 5 – 6	
NH Science Frameworks (Grade K – 6)	
Science as Inquiry	
Activity	**1a. Students will demonstrate an increasing understanding of how the scientific enterprise operates**
5 – 7, 9, 17, 20, 21	Design and conduct a scientific investigation exploring the relationship between two variables
20	Use appropriate tools and techniques to gather, organize, and interpret data
9	Recognize the variables in a situation and the importance of controlling them when conducting a scientific investigation
Science, Technology, and Society	
	2a. Students will demonstrate an increasing ability to use measuring instruments to gather accurate and/or precise information.
10, 11	Use an assortment of measuring instruments, with a variety of scales, such as rulers, thermometers, graduated cylinders, balances, and timers
	2c. Students will demonstrate an increasing ability to analyze, synthesize, and communicate scientific information using technology.
5, 6	Record data using appropriate units
Life Science	
	3d. Students will demonstrate an increasing ability to understand fundamental structures, functions, and mechanisms of inheritance found in microorganisms, fungi, protists, plants, and animals.
1, 2, 4	Describe similarities and differences between single celled and multicellular organisms, e.g. cell structures

Foods – Tasty Tidbits	
Level 2 – Grades 5 - 6	
NH Career Development Frameworks (Grade 5 - 8)	
Core Educational Learning	
	1. Students will demonstrate a firm grounding in the interactive language processes of reading, writing, speaking, listening, and viewing, as well as the ability to use those skills to communicate effectively.
15	Demonstrate the capacity to use a variety of tools, such as libraries, museums, technology, etc., to enhance learning.
	2. Students will demonstrate a firm grounding in essential computational skills as well as strong problem-solving and reasoning abilities.
7	Select appropriate computational techniques to help solve problems and, if appropriate, use mental computation and estimation strategies to check the reasonableness of results.
7	Use problem solving in civic, social, and everyday settings.
Individual and Social Learning	
	4. The student will develop characteristics and behaviors necessary for success in school, work, and everyday settings.
7, 14, 16	Demonstrate effective time management skills.
	5. The student will demonstrate skills in working cooperatively/collaboratively with others.
21	Demonstrate skills in working cooperatively/collaboratively with others.
21	Identify and demonstrate team skills that lead to the successful accomplishment of a common goal.