

Foods – Food Works	
Level 4 – Grade 10 - 12	
Project 2061 Benchmarks (Grade 9 - 12)	
The Nature of Science	
Activity	Scientific Inquiry
10	Investigations are conducted for different reasons, including to explore new phenomena, to check on previous results, to test how well a theory predicts, and to compare different theories.
The Living Environment	
	Cells
3	The work of the cell is carried out by the many different types of molecules it assembles, mostly proteins. Protein molecules are long, usually folded chains made from 20 different kinds of amino-acid molecules. The function of each protein molecule depends on its specific sequence of amino acids and the shape the chain takes is a consequence of attractions between the chain's parts.

Foods – Food Works	
Level 4 – Grades 10 - 12	
NH Science Frameworks (Grade 7 - 10)	
Science as Inquiry	
Activity	1a. Students will demonstrate an increasing understanding of how the scientific enterprise operates
10	Design and conduct a controlled scientific investigation
Science, Technology, and Society	
	2a. Students will demonstrate an increasing ability to use measuring instruments to gather accurate and/or precise information.
9	Measure with both analog and digital electronic devices, e.g. voltmeter, oscilloscope, and pH meters

Foods – Food Works	
Level 4 – Grades 10 – 12	
NH Career Development Frameworks (Grade 11 - 12)	
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.
8	Present, explain, and defend positions, using visual aids when appropriate.
	2. Students will demonstrate a firm grounding in essential computational skills as well as strong problem-solving and reasoning abilities.
6, 7, 18	Apply decision-making skills in a wide variety of situations.
6, 18	Analyze the design and management of a system.
18	Develop a systemic plan and communicate the plan clearly.
5, 6, 7, 18	Demonstrate skills necessary to function as a consumer and manage financial resources.
	3. Students will take an active role in their own learning
1, 3 – 6, 8, 9, 11 - 21	Evaluate the processes used to achieve goals and the qualities of resulting products.
Individual and Social Learning	
	4. The student will develop characteristics and behaviors necessary for success in school, work, and everyday settings.
1 – 3, 19	Demonstrate an awareness of the importance of maintaining physical and emotional health.
2, 3	Demonstrate behaviors that maintain physical and emotional health.
2	Demonstrate knowledge of how individuals grow and develop throughout their lives.
6	Demonstrate the ability to make decisions consistent with one’s own belief system.
	5. The student will demonstrate skills in working cooperatively/collaboratively with others.
1	Demonstrate consistent, responsive and caring behavior.
1	Demonstrate the ability respect the rights of, and accept responsibility for, self and others.
1, 18	Demonstrate effective and flexible team skills as team member or leader.
Career Learning	
	6. Students will acquire the knowledge, attitudes and skills to make a successful transition from school to the world of work and adult life.
18	Use their analyses of role model to improve the planning and implementation of projects.