Module Links to Standards

LEGEND ● **Activities** ● **Designs**

AAAS		NSES		NCTM	
1. Nature of Science		**A. Science as Inquiry**		**Numbers & Operations**	
The Scientific worldview	1 2 3 4	Ability to do scientific inquiry	1 2 3 4	Understanding number relations	1 2 3 4
Scientific inquiry	1 2 3 4	Understanding scientific inquiry	1 2 3 4	Understand meanings of operations	4
The Scientific enterprise	2 3 4	**B. Physical Science**		Compute fluently and estimate	1 4
2. Nature of Mathematics		Structure of atoms	1 3 4	**Algebra**	
Patterns and relationships	1 2 4	Structure and properties of matter	1 3	Understand patterns, relations and functions	1 4
Mathematics, science, and technology	2 3 4	Chemical reactions	1	Analyze math situations using algebraic symbols	1 4
Mathematical Inquiry	3 4	Motions and forces	1 3 4	Use mathematical models to understand quantitative relationships	1 4
3. Nature of Technology		Conservation of energy and increase in disorder	1	Analyze change in various contexts	1 3 4
Technology and science	1 2 3 4	Interactions of energy and matter	1	**Geometry**	
Design and systems	2 3 4	**C. Life Sciences**		Analyze characteristics and properties of two- and three-dimensional geometric shapes	1 3 4
Issues in technology	2 3 4	The cell	1	Specify locations and describe spatial relationships using coordinate geometry	4
4. The Physical Setting		**E. Science and Technology**		Apply transformations and use symmetry	4
Structure of matter	1 3	Ability of technological design	1 2 3 4	Use visualization, spatial reasoning, and geometric modeling	4
Energy transformations	1 3	Understanding science and technology	1 2 3 4	**Measurement**	
Motion	1 4			Apply appropriate techniques, tools, and formulas to determine measurements.	1 3 4
Force of nature	1 3 4			**Analysis and Probability**	
8. The Designed World				Formulate questions that can be addressed with data and collect and display relevant data to answer them	1