

NATIONAL SCIENCE EDUCATION STANDARDS

Wet Your Whistle! Drinking Water Activity Handbook

GRADE	CATEGORY	SUB-CATEGORY	STANDARD
5-8	Earth and Space Science	Structure Of The Earth System	Water is a solvent.
5-8	Earth and Space Science	Structure Of The Earth System	Water, which covers majority of the earth's surface, circulates throughout the crust, oceans, and atmosphere in what is know as the "water cycle."
5-8	History and Nature of Science	History Of Science	In historical perspective, science has been practiced by different individuals in different cultures.
5-8	Life Science	Regulation And Behavior	Regulation of an organism's internal environment involves sensing the internal environment and changing physiological activities to keep conditions within the range required to survive.
5-8	Life Science	Structure And Function In Living Systems	Disease is a breakdown in structures or functions of an organism. Some diseases are the result of intrinsic failures of the system. Others are the result of damage by infection by other organisms.
5-8	Life Science	Structure And Function In Living Systems	Specialized cells perform specialized functions in multicellular organisms. Groups of specialized cells cooperate to form a tissue, such as muscle. Different tissues are in turn grouped together to form larger functional units, called organs. Each type of cell, tissue, and organ has a distinct structure and set of functions that serve the organism as a whole.
5-8	Physical Science	Properties And Changes Of Properties In Matter	A substance has characteristic properties, such as density, a boiling point, and solubility, all of which are independent of the amount of the sample. A mixture of substances often can be separated into the original substances using one or more of the characteristic properties.

5-8	Physical Science	Properties And Changes Of Properties In Matter	Substances react chemically in characteristic ways with other substances to form new substances (compounds) with different characteristic properties. In chemical reactions, the total mass is conserved. Substances often are placed in categories or groups if they react in similar ways; metals is an example of such a group.
5-8	Science and Technology	Understanding About Science And Technology	Many different people in different cultures have made and continue to make contributions to science and technology.
5-8	Science as Inquiry	Abilities Necessary To Do Scientific Inquiry	Design and conduct a scientific investigation.
5-8	Science as Inquiry	Abilities Necessary To Do Scientific Inquiry	Identify questions that can be answered through scientific investigations.
5-8	Science as Inquiry	Abilities Necessary To Do Scientific Inquiry	Use appropriate tools and techniques to gather and analyze, and interpret data.
5-8	Science as Inquiry	Understandings About Scientific Inquiry	Different kinds of questions suggest different kinds of scientific investigations. Some investigations involve observing and describing objects, organisms, or events; some involve collecting specimens; some involve experiments; some involve discovery of new objects and phenomena; and some involve making models.
5-8	Science as Inquiry	Understandings About Scientific Inquiry	Mathematics is important in all aspects of scientific inquiry.
5-8	Science in Personal and Social Perspectives	Personal Health	Food provides energy and nutrients for growth and development.
5-8	Science in Personal and Social Perspectives	Personal Health	Natural environments may contain substances (for example, radon and lead) that are harmful to human beings.
5-8	Science in Personal and Social Perspectives	Risks And Benefits	Important personal and social decisions are made based on perceptions of benefits and risks.

5-8	Science in Personal and Social Perspectives	Risks And Benefits	Risk analysis considers the type of hazard and estimates the number of people that might be exposed and the number likely to suffer consequences.
5-8	Science in Personal and Social Perspectives	Science And Technology In Society	Science and technology have advanced through contributions of many different people, in different cultures, at different times in history.
5-8	Science in Personal and Social Perspectives	Science And Technology In Society	Technology influences society through its products and processes.