

# **National Education Standards**

## **USA- Nat. Academy of Sciences: Science Education Standards**

Multicellular animals have nervous systems that generate behavior. Nervous systems are formed from specialized cells which conduct signals rapidly through the long cell extensions that make up nerves. The nerve cells communicate with each other by secreting specific excitatory and inhibitory molecules. In sense organs, specialized cells detect light, sound, and specific chemicals and enable animals to monitor what is going on in the world around them.

Organisms have behavioral responses to internal changes and to external stimuli. Responses to external stimuli can result from interactions with the organism's own species and others, as well as environmental changes; these responses either can be innate or learned.

## **National Health Education Standards**

HEALTH EDUCATION STANDARD 1 – Students will comprehend concepts related to health promotion and disease prevention to enhance health.

HEALTH EDUCATION STANDARD 2 – Students will analyze the influence of family, peers, culture, media, technology and other factors on health behaviors.

HEALTH EDUCATION STANDARD 3 – Students will demonstrate the ability to access valid information and products and services to enhance health.

HEALTH EDUCATION STANDARD 4 – Students will demonstrate the ability to use interpersonal communication skills to enhance health and avoid or reduce health risks.

HEALTH EDUCATION STANDARD 5 – Students will demonstrate the ability to use decision-making skills to enhance health.

HEALTH EDUCATION STANDARD 6 – Students will demonstrate the ability to use goal-setting skills to enhance health.

HEALTH EDUCATION STANDARD 7 – Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks.

HEALTH EDUCATION STANDARD 8 – Students will demonstrate the ability to advocate for personal, family and community health.