Each module’s lessons were designed to be implemented in Learning Centers, with students rotating in groups of 4-6. However, the number of students in a group can be adjusted for bigger or smaller classrooms. While all of the activities were planned as Learning Center activities, each activity has been designed to be taught in conjunction with other lessons in a unit or as a stand-alone activity. The National Standards are from http://books.nap.edu/html/nses/html/pdf/index.html.

The educational standards fulfilled by the activities in the “Exploration Adventure” Modules are detailed below for quick reference with activity summaries, materials needed and applicable State Standards. The activities were designed for fourth grade; however, they are suitable and adaptable for students in third through sixth.

Applies to ALL MODULES

National Science Education Standards

Science in Personal and Social Perspectives
CONTENT STANDARD F (Grades K-4):
- As a result of activities in grades K-4, all students should develop understanding of
  - Personal health

Science in Personal and Social Perspectives
CONTENT STANDARD F (Grades 5-8):
- As a result of activities in grades 5-8, all students should develop understanding of
  - Personal health
  - Risks and benefits
  - Science and technology in society

Life Science
CONTENT STANDARD C (Grades 5-8):
- As a result of their activities in grades 5-8, all students should develop understanding of
  - Structure and function in living systems

For ALL Activities:

» Heart Activity 1
» Heart Activity 2
» Bone Activity 1
» Bone Activity 2
» Bone Activity 3
» Spinal Cord Activity 1
» Spinal Cord Activity 2
Applicable Standards for the Heart Module:
National Health Education Standards

HEALTH EDUCATION STANDARD 1- Students will comprehend concepts related to health promotion and disease prevention to enhance health. Performance Indicators (Grades 3-5)

1.5.1. - Described the relationship between healthy behaviors and personal health
1.5.2. - Identify examples of...physical...health
1.5.4. - Describe ways to prevent common childhood injuries and health problems

HEALTH EDUCATION STANDARD 5- Students will demonstrate the ability to use decision-making skills to enhance health. Performance Indicators (Grades 3-5)

5.5.3. – List healthy options to health-related issues or problem

HEALTH EDUCATION STANDARD 6
Performance Indicators (Grades 3-5)

6.5.2. – Identify resources to assist in achieving a personal health goal.

HEALTH EDUCATION STANDARD 7-Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks. Performance Indicators (Grades 3-5)

7.5.1. - Identify responsible personal health behaviors
7.5.2. - Demonstrated a variety of healthy practices and behaviors to maintain or improve personal health
7.5.3. – Demonstrate a variety of behaviors to avoid or reduce health risks

For ALL Activities:

» Heart Activity 1
» Heart Activity 2