



# **BRAIN-POWER!**

## **NIDA Junior Scientists**

**K - 1**

NEVADA STANDARDS ALIGNMENT





## About the *Brain Power!* Nevada Standards Alignment Project

The Nevada Prevention Resource Center (NPRC) recently received funding to reach out to Nevada elementary and middle schools to support substance abuse prevention. We have chosen to use an existing free prevention curriculum from the National Institute on Drug Abuse (NIDA) called: Brain Power! The NIDA Junior Scientist Program.

### The Nevada Standards Alignment Packet

This packet is designed to help teachers integrate the Brain Power! program into their regular classroom curriculum.

- Listing of each Nevada science, health, mathematics, and language arts standard covered in each module of the program.
- Standards listed are based on teachers doing the entire module, including the additional and extension activities listed in the modules.
- Standards used are the most recent versions available on the Nevada Department of Education website ([www.doe.nv.gov](http://www.doe.nv.gov)) as of May 2011.
- Includes standards for each of the grades covered in the corresponding *Brain Power!* Kit.
- Pages are color coded to match the color of the corresponding module's tab.
- Standards pages can be placed within their corresponding module or kept as a separate package.

### Project Website

The project website is [www.NevadaPRC.org/education.php](http://www.NevadaPRC.org/education.php). It includes:

- Project information and updates
- Resources for teachers and parents
- Assessments
- Technical Assistance

### Special Note to School Counselors

These modules cover the following standards from the *ASCA National Standards for Students*.

- PS:A1.6 Distinguish between appropriate and inappropriate behavior.
- PS:B1.2 Understand consequences of decisions and choices
- PS:B1.8 Know when peer pressure is influencing a decision
- PS:C1.8 Learn about the emotional and physical dangers of substance use and abuse

American School Counselor Association (2004). *ASCA National Standards for Students*. Alexandria, VA: Author.





## **Module 1: You Could be a Scientist**

### **Grade K**

#### **Learning Objectives:**

- Students discuss who scientists are and the work that they do.
- Students discover their own ability to do the work of scientists.

#### **Nevada Science Standards:**

N.2.A Students understand that science is an active process of systematically examining the natural world.

N.2.B Students understand that many people contribute to the world of science.

#### **Nevada Health Standards:**

3.2.2 Identify health care workers.

#### **Nevada Math Standards:**

5.K.1 Collect, organize, and record data using objects and pictures.

#### **Nevada Language Arts Standards:**

5.K.2 With assistance, draw or communicate ideas in written form.

6.K.1 With assistance, draw or write to communicate.

7.K.1 Listen for a variety of purposes including gaining information.

7.K.5 Listen to and participate in conversations.



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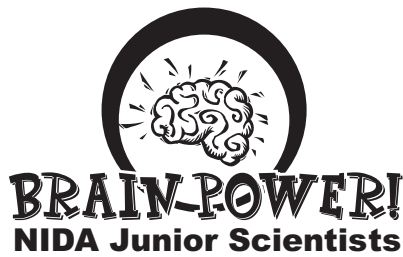
#### **Nevada Language Arts Standards:**

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6.1.1 Draw or write to communicate.

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7.1.5 Listen to and participate in conversations.



## **Module 2: Meet the Scientists**

### **Grade K**

#### **Learning Objectives:**

- Students learn about specific scientists and the work that they do.
- Students develop posters explaining the work of each scientist in terms of the steps of scientific inquiry.
- Students discover that all the scientists they learned about are studying the brain.

#### **Nevada Science Standards:**

N.2.A.1 Student know how to make observations and give descriptions using words, numbers, and drawings.

N.2.B.1 Students know science engages men and women of all ages and backgrounds.

#### **Nevada Health Standards:**

3.2.2 Identify health care workers.

#### **Nevada Math Standards:**

5.K.1 Collect, organize, and record data using objects and pictures.

#### **Nevada Language Arts Standards:**

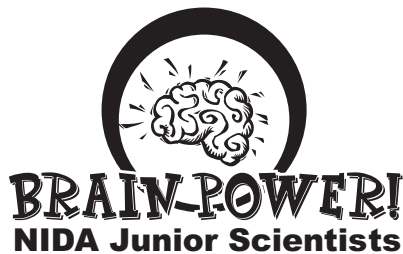
1.K.4 Comprehend vocabulary using environmental print.

5.K.2 With assistance, draw or communicate ideas in written form.

6.K.1 With assistance, draw or write to communicate.

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- N.2.B.1 Students know science engages men and women of all ages and backgrounds.

#### **Nevada Health Standards:**

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#### **Nevada Math Standards:**

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#### **Nevada Language Arts Standards:**

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## **Module 3: Your Amazing Brain**

### **Grade K**

#### **Learning Objectives:**

- Students learn about the brain and its different functions
- Students learn that the senses are a key way the brain receives information.
- Students discover that the brain is responsible for our ability to experience.

#### **Nevada Science Standards:**

L.2.B Student understand that living things have identifiable characteristics.

L.2.B.1 Student know humans and other animals use their senses to know their world.

#### **Nevada Health Standards:**

1.2.3 Identify basic anatomy.

#### **Nevada Math Standards:**

5.K.1 Collect, organize, and record data using objects and pictures.

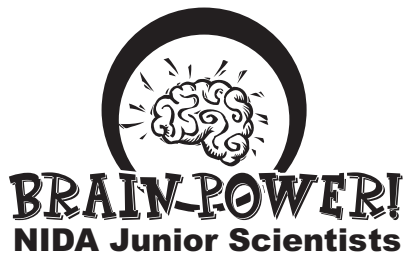
#### **Nevada Language Arts Standards:**

5.K.2 With assistance, draw or communicate ideas in written form.

6.K.1 With assistance, draw or write to communicate.

7.K.1 Listen for a variety of purposes including gaining information.

7.K.5 Listen to and participate in conversations.



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- Students learn about the brain and its different functions
- Students learn that the senses are a key way the brain receives information.
- Students discover that the brain is responsible for our ability to experience.

#### **Nevada Science Standards:**

L.2.B Student understand that living things have identifiable characteristics.

L.2.B.1 Student know humans and other animals use their senses to know their world.

#### **Nevada Health Standards:**

1.2.3 Identify basic anatomy.

#### **Nevada Math Standards:**

5.1.1 Collect, organize, and record data in response to questions posed by teacher and/or students.

#### **Nevada Language Arts Standards:**

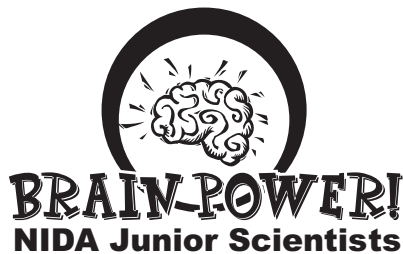
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7.1.5 Listen to and participate in conversations.





## **Module 4: Keeping Your Brain Healthy Grade K**

### **Learning Objectives:**

- Students learn how to keep their brain healthy.
- Student work on establishing healthy habits.

### **Nevada Science Standards:**

- L.2.B Student understand that living things have identifiable characteristics.
- L.2.C.1 Students know plants and animals need certain resources for energy and growth.

### **Nevada Health Standards:**

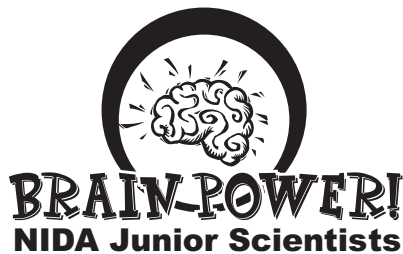
- 1.2.1 Identify health behaviors that impact personal health.
- 1.2.4 Describe how healthy eating and daily physical activity promote health and well-being.
- 1.2.7 recognize ways to prevent common childhood injuries and hazardous situations.
- 7.2.1 Identify responsible personal health behaviors.
- 7.2.5 Identify basic safety measures.

### **Nevada Math Standards:**

- 5.K.1 Collect, organize, and record data using objects and pictures.
- 1.K.3 Recognize relationships of more than, less than, and equal to.
- 2.K.3 Identify and create sets of objects with unequal amounts, describing them as greater than or less than.

### **Nevada Language Arts Standards:**

- 7.K.1 Listen for a variety of purposes including gaining information.
- 7.K.5 Listen to and participate in conversations.



## **Module 4: Keeping Your Brain Healthy Grade 1**

### **Learning Objectives:**

- Students learn how to keep their brain healthy.
- Student work on establishing healthy habits.

### **Nevada Science Standards:**

- L.2.B Student understand that living things have identifiable characteristics.
- L.2.C.1 Students know plants and animals need certain resources for energy and growth.

### **Nevada Health Standards:**

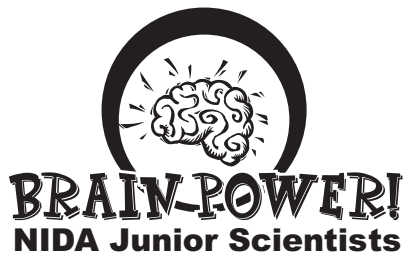
- 1.2.1 Identify health behaviors that impact personal health.
- 1.2.4 Describe how healthy eating and daily physical activity promote health and well-being.
- 1.2.7 recognize ways to prevent common childhood injuries and hazardous situations.
- 7.2.1 Identify responsible personal health behaviors.
- 7.2.5 Identify basic safety measures.

### **Nevada Math Standards:**

- 5.1.1 Collect, organize, and record data in response to questions posed by teacher and/or students.
- 5.1.1 Use tally marks to represent data.
- 2.1.3 Create, compare, and describe sets of objects as greater than, less than, or equal to.

### **Nevada Language Arts Standards:**

- 7.1.1 Listen for a variety of purposes including gaining information.
- 7.1.5 Listen to and participate in conversations.



## **Module 5: Protecting Your Brain**

### **Grade K**

#### **Learning Objectives:**

- Students learn about the differences between helpful medicines and harmful drugs.
- Student learn about the effects that both medicines and drugs have on the brain and body.
- Students learn about the importance of taking helpful medicines carefully, under the right circumstances, and with adult supervision.

#### **Nevada Science Standards:**

- L.2.B Student understand that living things have identifiable characteristics.
- L.2.C.1 Students know plants and animals need certain resources for energy and growth.

#### **Nevada Health Standards:**

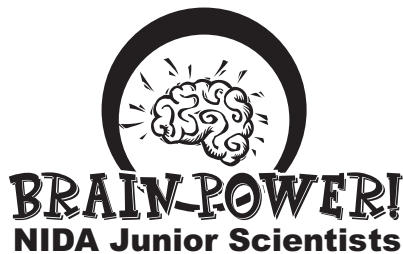
- 1.2.1 Identify health behaviors that impact personal health.
- 1.2.6 Identify helpful and harmful substances.
- 3.2.1 Identify trusted individuals who can help promote health.
- 7.2.5 Identify basic safety measures.

#### **Nevada Math Standards:**

- 2.K.1 Identify Attributes used to sort objects.

#### **Nevada Language Arts Standards:**

- 4.K.5 With assistance, listen to and use information to answer specific questions.
- 7.K.1 Listen for a variety of purposes including gaining information.
- 7.K.5 Listen to and participate in conversations.



## **Module 5: Protecting Your Brain**

### **Grade 1**

#### **Learning Objectives:**

- Students learn about the differences between helpful medicines and harmful drugs.
- Student learn about the effects that both medicines and drugs have on the brain and body.
- Students learn about the importance of taking helpful medicines carefully, under the right circumstances, and with adult supervision.

#### **Nevada Science Standards:**

- L.2.B Student understand that living things have identifiable characteristics.
- L.2.C.1 Students know plants and animals need certain resources for energy and growth.

#### **Nevada Health Standards:**

- 1.2.1 Identify health behaviors that impact personal health.
- 1.2.6 Identify helpful and harmful substances.
- 3.2.1 Identify trusted individuals who can help promote health.
- 7.2.5 Identify basic safety measures.

#### **Nevada Math Standards:**

- 2.1.1 Recognize, describe, label, extend and create simple repeating patterns using symbols, objects, and manipulatives.

#### **Nevada Language Arts Standards:**

- 4.1.5 With assistance, use information to answer specific questions.
- 7.K.1 Listen for a variety of purposes including gaining information.
- 7.K.5 Listen to and participate in conversations.