

## **Colorado Agriscience Curriculum**

**Section:** Animal Science

**Unit:** Unit 6: Animal Health

**Lesson Title:** Lesson 10: Mad Cow Disease

### **Colorado Agricultural Education Standards:**

Standard AGS 11/12.3 The student will demonstrate an understanding of physiological processes in agriculturally important animals

Enabler AGS 11/12.3.31 identify symptoms, causes and treatments of common infectious diseases.

Standard AGS 11/12.1 The student will demonstrate / communicate an understanding of current issue relating to Agriscience.

Enabler AGS 11/12.1.1 Present a prepared statement on public health policy on an Agriculture topic.

### **Colorado Science Standards:**

Standard SCI 3.0 Life Science: Students know and understand the characteristics and structure of living things, the processes and life, and how living things interact with each other and their environment.

Competency SCI 3.4 Comparing and contrasting characteristics of and treatments for various types of medical problems.

### **Student Learning Objectives (Enablers)**

As a result of this lesson, the student will ...

1. Identify and explain a “Prion” and types of spongiform encephalopathy.
2. Formulate ways to combat mad cow disease.
3. Develop a public service announcement about Mad Cow Disease.

**Time:** Instruction time for this lesson: 50 minutes.

### **Resources:**

- [www.cnnstudentnews.cnn.com/2001fyi/lesson.plans/01/29/mad.cow/](http://www.cnnstudentnews.cnn.com/2001fyi/lesson.plans/01/29/mad.cow/)
- [www.science.howstuffworks.com/](http://www.science.howstuffworks.com/)
- [www.aphis.usda.gov/vs/nahps/scrapie/](http://www.aphis.usda.gov/vs/nahps/scrapie/)

Unit 6, Lesson 10: Mad Cow Disease