Advanced Animal Science Lesson Plan

Evaluating Livestock- Consumption Patterns Relative to Diet

(c)(5)(B)

Objective: The student will evaluate consumption patterns relative to diet.

Interest Approach

* Bring a Sandwich and a steak. Speak about the differences in percentages of meat. Steak=100% Sandwich 15% Meat.

Bell Ringer:

* Who in here eats meat, majority beef, chicken, pork?

Lecture:

Percentage of overall meat consumption in America annually?

Percentage of beef consumed in diet. 63.5 pounds

Percentage of Chicken consumed in diet. 84.9 pounds

Percentage of pork consumed in diet. 48.2 pounds

Variable which cause meat consumption to fluctuate.

Swine Flu(H1N1)- The 2009 flu pandemic was a global outbreak of a new strain of [H1N1 influenza virus](http://www.ask.com/wiki/Influenza_A_virus_subtype_H1N1?qsrc=3044), often referred to as "[swine flu](http://www.ask.com/wiki/Swine_flu?qsrc=3044)".

Despite being informally called "swine flu", the H1N1 flu virus cannot be spread by eating pork or pork products

Salmonella Scare- August 2010- authorities ordered more than half a billion eggs off the shelves at American supermarkets due to fears of salmonella.

It was one of the largest salmonella outbreaks ever recorded in the U.S

Later the FDA recalled 500 million more eggs produced by two closely-linked farms.

[ Mad Cow=Bovine spongiform encephalopathy

causes a spongy degeneration in the [brain](http://en.wikipedia.org/wiki/Brain) and [spinal cord](http://en.wikipedia.org/wiki/Spinal_cord). BSE has a long [incubation period](http://en.wikipedia.org/wiki/Incubation_period), about 30 months to 8 years, usually affecting adult cattle at a peak age onset of four to five years, all [breeds](http://en.wikipedia.org/wiki/Breed) being equally susceptible

bST- bovine somatotropin

* is one of the hormones involved in normal growth and development of the mammary gland and normal milk production.
* BST is naturally occurring in [cattle](http://en.wikipedia.org/wiki/Cattle), and plays a role in the growth and development of the organism.
* The United States is the only developed nation to permit humans to drink milk from cows given artificial growth hormone.[[](http://en.wikipedia.org/wiki/Bovine_somatotropin#cite_note-grist-0)

Conclusion: Write a one page summary, summarizing what you have learned.