



Lindsey Bushnell Zach Nowak Jaycee Coston

The Cannulated Cow

7.3 Internal body system interactions

Instructions: Find a cannulated cow by contacting your local veterinarian or university or community people that are known with a cattle background, start discussion in class about the passing of food through the body of the cow (be brief). Next, break your class into groups. Assign your groups different parts of the cow's internal body i.e. esophagus, rumen, reticulum, omasum, abomasum, small intestine, cecum and large intestine (if class is small have two internal parts assigned to each group). Once you have your groups make sure they understand that they are assigned to study and research how the body reacts to the food passing through it. Each group should present to the class with a diagram (3-D) that includes a quiz at the end of lecture. At the end of all the presentations try to place all diagrams together and schedule a trip visit a cannulated cow that way the students can actually see what goes on at least in the rumen/reticulum area.

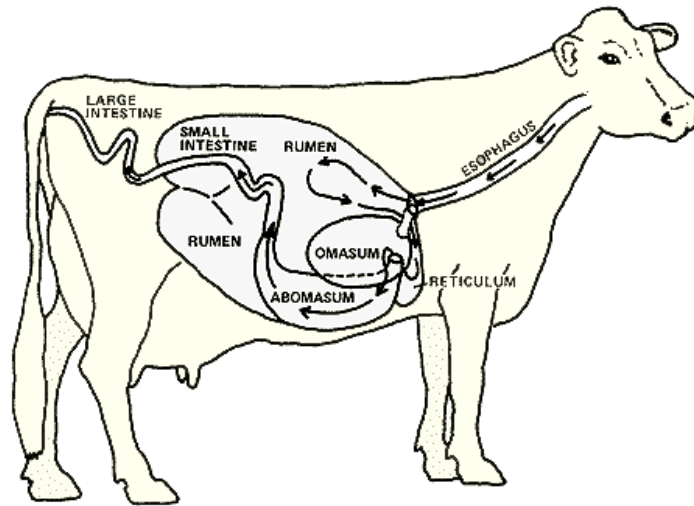
Materials: Posters, markers, map pencils, crayons, napkins (to make the reticulum rough), the cardboard from the inside of some paper towels for the small and large intestine, play-doh, have different materials to represent the plant species as it moves through the body and breaks down, etc.



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Website: <http://www.extension.umn.edu/distribution/livestocksystems/components/di0469>

[-02.html](#)





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