



Indiana Beef Productionⁱ

Grade Level: 9-12

Overview	This lesson will be used to teach students the variety of cattle breeds that are out there as well as the specific qualities they possess.
Objectives	<p>Following this activity students will be able to:</p> <ul style="list-style-type: none"> • Identify a variety of cattle breeds common in Indiana • Identify physical characteristics of beef cattle • Inform others of cattle selection techniques used by farmers • Use Crocodoc to peer evaluate projects
Materials	<p>Pencil Paper Computer with Internet</p>
Standards	<ul style="list-style-type: none"> • AG II 10.8 The student will demonstrate an understanding of the bases of livestock selection.ⁱⁱ • AG I 9.9 The student will identify the major breeds of livestock
Procedureⁱⁱⁱ	<ol style="list-style-type: none"> 1. Make sure students know what a breed is- a relatively homogenous group of animals within a species developed and maintained by humans. 2. Show a power point to the students with a variety of breeds that are common to Indiana and ask them if they can identify them. <ul style="list-style-type: none"> • Breeds will include: angus, Hereford, Simmental, Welsh black, Shorthorn, Charolais, Lincoln Red, and the South Deven • As they go through they will be asked to write down their answers. • Then I will start the slideshow over and discuss the key components that are associated with the breed. <ul style="list-style-type: none"> ○ Color ○ Origin ○ Body Style ○ Mature body size ○ Muscle content • A brief history of the animal will be discussed as well as the benefits each breed offers. 3. Describe the quality that each breed possesses and can be used for. 4. What components to look for when selecting a breeding heifer. <ul style="list-style-type: none"> • Frame • Rib cage

	<ul style="list-style-type: none">• Nipple content• Deep long and wide hind quarters.
Evaluation	Students will be asked to select a certain breed and be asked to discuss why they selected it, the qualities they will be looking for, and special distinctive features. Then the papers will be uploaded on to Crocodoc ¹ to be peer evaluated. Each student will have their paper graded from a peer, as well as using Crocodoc to grade someone else's. After they have been peer evaluated the students will be given the opportunity to make changes before resubmitting. Then the papers will be graded by the teacher on Crocodoc for final assessment.

¹ <http://www.crocodoc.com>

ⁱ <http://www.glenrosearkansasffa.org/lesson%20plans.htm>

ⁱⁱ http://www.uwyo.edu/aged/resources/WY_Ag_Standards/main.html#Standards

ⁱⁱⁱ http://www.devon.gov.uk/beef_cattle.gif