

Course	Agricultural Science I
Unit	Equine Science
Lesson	Equipment and Facilities
Estimated Time	50 minutes

Student Outcome

The student will become familiar with various types of equipment, facilities, and their proper care and use.


Learning Objectives

1. Identify various types of tack and their uses.
2. Discuss how to properly fit and adjust tack.
3. Identify different bits and their uses.
4. Identify different types of reins.
5. Identify other essential equine equipment and their uses.
6. Discuss the cost of equipment and facilities.

Grade Level Expectations

Resources, Supplies & Equipment, and Supplemental Information

Resources

1. Assignment Sheet
 -  AS 1 - Identifying Tack Parts
2. *Equine Science* (Student Reference). University of Missouri-Columbia: Instructional Materials Laboratory, 1995.
3. University of Missouri-Columbia Extension Division agricultural publication
 - a. G2844: Haltering and Tying Horses
 - b. G2845: Choosing, Assembling and Using Bridles
4. *Equine Science Curriculum Enhancement*. University of Missouri-Columbia: Instructional Materials Laboratory, 2003.
5. Ensminger, M. E. *Horses and Horsemanship*. 6th ed. Danville, IL: Interstate Publishers, Inc., 1990.

Supplies & Equipment

- ☐ Various pieces of tack including bits, reins, halter, saddle, blanket, spurs, bridles

Supplemental Information

1. Internet Sites
 - ☐ Loch, W. *Choosing, Assembling and Using Bridles*. University of Missouri-Columbia Extension Division agricultural publication, G2845. Accessed June 29, 2007, from <http://extension.missouri.edu/explore/agguides/ansci/g02845.htm>.
 - ☐ Loch, W. *Haltering and Tying Horses*. University of Missouri-Columbia Extension Division agricultural publication, G2844. Accessed June 29, 2007, from <http://extension.missouri.edu/explore/agguides/ansci/g02844.htm>.

2. Print


- ❑ Ensminger, M. E., and C. J. Hammer. *Equine Science*. 8th ed. Upper Saddle River, NJ: Pearson Education, Inc., 2004.
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Interest Approach


Have several pieces of tack on display. Ask students if they know the use of each piece.

Communicate the Learning Objectives

1. Identify various types of tack and their uses.
2. Discuss how to properly fit and adjust tack.
3. Identify different bits and their uses.
4. Identify different types of reins.
5. Identify other essential equine equipment and their uses.
6. Discuss the cost of equipment and facilities.

Instructor Directions	Content Outline
<p>Objective 1</p> <p><i>Western riding has its history in the days of the cowboy riding the range for ranch work. English riding has developed from pleasure and sport riding. The type of tack to use depends on what the owner wants the horse to do. Point out any unusual features or characteristics of the various types of tack. Provide opportunity for students to examine the pieces on display. Discuss various styles of tack on the market and their price differences. Have students complete AS 1.</i></p> <p> AS 1 - Identifying Tack Parts</p>	<p>Identify various types of tack and their uses.</p> <p>Styles</p> <ol style="list-style-type: none">1. Western (show use vs. work)2. English (show use vs. work) <p>Halters and bridles</p> <ol style="list-style-type: none">1. Communicate cues to the horse2. No bit on a halter <p>Saddles</p> <ol style="list-style-type: none">1. The Western saddle has a high pommel and cantle.2. English saddles look almost flat. <p>Saddle pads</p> <p>Blankets</p> <p>Splints</p> <p>Spurs</p>
<p>Objective 2</p> <p><i>Tack must be properly fitted to both horse and rider. Improperly fitted equipment can be hazardous and cause injuries to the rider and/or horse. Select different pieces of tack, and demonstrate the adjustments. Have students practice with the tack so they can become familiar with it. Discuss</i></p>	<p>Discuss how to properly fit and adjust tack.</p> <p>Animal size</p> <ol style="list-style-type: none">1. Girth - Girth straps should be tightened firmly.2. Height of withers - The saddle's gullet should be above the horse's withers without rubbing them.3. Throat latch strap - Should be loose enough to allow two or three fingers between it and the horse's jaw4. Overall size - Pony, horse, draft (frequently not interchangeable)

Instructor Directions	Content Outline
<p><i>the costs involved in purchasing tack and why it should be purchased.</i></p>	<p>Style of equipment</p>
<p>Objective 3</p> <p><i>Bits are the mechanical means from which cues are communicated to the horse from the rider. Ask students to explain the parts of different bits and how they work.</i></p>	<p>Identify different bits and their uses.</p> <p>Work by acting on pressure points on the horse's head</p> <p>The smaller the diameter, the harsher the bit</p> <p>Types</p> <ol style="list-style-type: none"> 1. Snaffle 2. Curb 3. Pelham 4. Rearing 5. Hackamore 6. Bosal
<p>Objective 4</p> <p><i>Reins are the connection between the bit and the rider. Discuss the different types of reins and how they work with the bit.</i></p>	<p>Identify different types of reins.</p> <ol style="list-style-type: none"> 1. Split reins 2. Single reins 3. Double reins (with certain bits) 4. Multiple reins (for teams of horses)
<p>Objective 5</p> <p><i>It is important to have proper equipment when caring for horses; every horse owner should have some basic equipment. Have students relate back to the field trip, if taken, to create a list of necessary equipment. Discuss costs and importance of these items.</i></p>	<p>Identify other essential equine equipment and their uses.</p> <p>Feeding</p> <ol style="list-style-type: none"> 1. In containers 2. On the ground (not recommended because of parasites) <p>Grooming</p> <p>First aid (scissors, gauze, vet wrap, rolled cotton, antiseptic, crepe bandage, vet thermometer, alcohol, iodine, a clean bucket, and twitch)</p> <p>Transportation</p>
<p>Objective 6</p> <p><i>Owning a horse is not an inexpensive venture. The type of equipment and facilities chosen will have a large impact on cost.</i></p>	<p>Discuss the cost of equipment and facilities.</p> <ol style="list-style-type: none"> 1. Fencing (safety) 2. Feeding 3. Watering 4. Shelter

Instructor Directions	Content Outline
	<ol style="list-style-type: none"> 5. Upkeep 6. Travel vs. stationary 7. Familiarization and use of new equipment before buying it
<p>Application:</p> <p> AS 1 - Identifying Tack Parts</p>	<p>Answers to AS 1</p> <ol style="list-style-type: none"> 1. a 2. h 3. d 4. b 5. c 6. g 7. f 8. k 9. d 10. h 11. j 12. b 13. i 14. c 15. e 16. g <p>Other activities</p> <ol style="list-style-type: none"> 1. Take a field trip to a local equine supply dealer, and have students observe facilities and equipment used and available. 2. Visit a farm or ranch where horses are raised, and have students observe how the operation is set up and operated. 3. Study the various types of equipment and quiz students.
<p>Closure/Summary</p>	<p>Equine equipment and facilities vary a great deal. It is important to understand the different types and uses of equipment, along with the costs involved in owning a horse.</p>
<p>Evaluation: Quiz</p>	<p>Answers:</p> <ol style="list-style-type: none"> 1. b 2. c 3. a 4. d

Instructor Directions	Content Outline
	<p>5. c</p> <p>6. d</p> <p>7. b</p> <p>8. c</p> <p>9. b</p> <p>10. a</p> <p>11. c</p> <p>12. a</p> <p>13. Answers will vary, but should indicate that the trailer soundness, the number of horses being hauled, and amount of travel done are important factors.</p> <p>14. Five of the following: scissors, gauze, vet wrap, rolled cotton, antiseptic, crepe bandage, vet thermometer, alcohol, iodine, a clean bucket, and twitch</p>