

Hannah Looman

*Eyed Strides*

The purpose of my project was to see how the shoulder height and shoulder angle of a horse affect its stride length. I got this idea because I ride and show horses, and I was very interested in learning more about a horse's confirmation. After doing some research I decided to do my project on how the shoulder height and shoulder angle affect a horse's stride length. I found this very interesting. First, I measured each of my five horses' shoulder height and shoulder angle. Next I measured the length of the barn. Subsequently, I lunged the horses one at a time down the measured distance. I counted the number of strides they took and repeated that five times with each horse. Last I averaged each horse's strides they took from each trial and divided that by the distance. I found that the longer the horse's shoulder and smaller the shoulder angle, the longer the stride. My data showed that the horse with the longest shoulder and smallest shoulder angle had the longest stride. My data also showed that the horse with the smallest shoulder and biggest shoulder angle had the shortest stride. I think this is important information for people who deal with horses. It's a key factor when you are selling, buying, racing, breeding, or riding and competing with horses. You need to know what kind of horse you need for a certain activity and how much a horse is worth.