Settler's Park Compass Course

Name:_____

Goal: Using a map & compass, complete an orienteering course that covers at least 1 mile and requires measuring height and/or width of designated items on the course. This is item # 2 on First Class Rank Advancement.

Start at the Power Transformer metal box next to the dropoff roundabout in the parking lot. Mark each object on your map as you go!

Set compass to -13 degrees declination to adjust for the difference between true North and magnetic North.

What object does your bearing indicator show across the park? _____

Take 150 steps toward it!

Subtract 120 degrees from your previous bearing and take 150 steps in that direction. Remember to select an object in the distance to use as a guide while you walk - that's much easier and safer than watching your compass while you walk! You should be headed toward an object VERY similar to the last one you walked toward in the last step.

Subtract 120 degrees from that bearing, and face in that direction.
What are you facing toward?_____

Why? _____

Take 150 steps in that direction.

Adjust your compass to align your bearing with magnetic North. What object are you pointing toward? _____

What object is -115 degrees from your current location?_____

Walk to the border of it, then turn around and walk 33 steps back toward where you came from.

Turn back around and face the object you just left. You are now 100 feet away from it.

Use your compass to measure the width of that object - point the needle indicator toward one side of the object, and point the bearing indicator toward the other side of your object. The difference in degrees is the width in feet, since you are 100 feet away!

Width _____

What object is -90 degrees from magnetic north from your current position? _____

Set your compass to -65 degrees from magnetic north.

What object are you pointing toward? _____ Walk to it.

Set compass to 75 degrees (NE direction) and take 33 steps that way.

Turn around & face the object you just left, so you're 100 feet from it.

Use your compass to measure the height of the object - ignore the magnetic needle, but set the needle indicator level with the ground. Then adjust the bearing indicator to point at the top of the object you're facing. Add your height to the number of degrees on the compass to give you the object's height!

Height _____

Walk to the object that's 160 degrees from magnetic North. What is it used for? _____

What object is at 115 degrees from your current location? _____

Turn in your papers, and walk calmly toward that object & blow off some steam :)

Settler's Park, Meridian