

Cub Scout Adventure Camp Orienteering Training

1. **Familiarize yourself with the map, symbols, various map features and the compass.**
 - a. Find the Dining Hall, and the Dining Hall flag pole location.
 - b. Find the Whitcomb Nature Building.
 - c. Find Wellington Lake.
 - d. Find the footpath between the Whitcomb Nature Building passing by the Frog Pond to Wellington Lake water front.
 - e. Find the five red orienteering markers for the CSAC orienteering training course.
 - f. Note the distance scale at the bottom of the map. Using a ruler or measure on the compass, you will be able to measure distance using this scale
 - g. Observe the true north and magnetic north reference arrows. Note that there are thin lines on the map that are aligned to magnetic north.
 - h. Familiarize yourself with the compass, the floating needle that points north, 360° of compass bearings with 0° for North, 180° for South, 90° for East, 270° for West.

2. **Orienteering is done with a combination of determining the proper direction (bearing), the distance to the desired target, and identifiable landmark features from the map. We begin by determining the direction/bearing from the starting point at the Dining Hall flag pole to Marker #1 just behind the Whitcomb Nature Lodge.**
 - a. Using the orienteering map set the compass's center over the line between the dining hall flag pole and Marker #1.
 - b. While keeping the compass center over the line, rotate the compass body until the lines on the base of the compass align with the line between the flag pole and Marker #1.
 - c. Hold the base of the compass firmly to the map while rotating the compass dial until the 0° mark is toward the north on the map and the thin black, parallel lines on the face of the compass dial are parallel or lined-up with the series of thin black lines that run through the map with arrows pointing toward magnetic north. At this point, you can ignore the floating arrow of the compass.
 - d. The compass bearing will be the number of degrees where the indicator arrow/triangle on the base points to on the compass dial. You should get a reading of about 355°. Be careful not to bump or move the compass parts once you get this bearing set on the compass. We'll be using it to move from the Flag Pole to Marker #1

3. **You are now ready to move from the Dining Hall Flag Pole to Marker #1.**
 - a. First stand with your back reasonably close to the flag pole.
 - b. Hold the compass flat in front of you with the flat end of the base of your compass pointing away from you.
 - c. Rotate your body position until the red end of the floating arrow of your compass lines up with the red arrow in the base of the dial (North). You are now pointed in the direction of Marker #1.
 - d. Look in the direction indicated by your compass for marker #1
 - e. If you cannot see the marker due to trees or other obstructions, select a tree or other feature that is directly in your path and walk toward that feature.
 - f. When you get to the feature that obstructed your view, move to the other side of it and re-establish your bearing as in steps b, c, d, & e. If you still cannot see the marker, find another feature in your path and continue to the next feature.
 - g. Repeat this process until you have arrived at Marker #1.

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