

**Troop 618 Compass/Orienteering Course**  
  
**For First Class Advancement**

This course is at Wilder Ranch State Park. Use the attached map and the instructions below to plan out this trip, then under the guidance of your Scoutmasters and/or Senior Scouts hike the trail. Use your compass and map to find and check your bearings at each point indicated in the instructions.

All compass headings are for true north. Magnetic north has a 15° E declination at this location. Adjust your compass bearings accordingly.

The starting point is at the chicken coops in the historic buildings area of the park.

1. Start NW at a heading of 310° on the access road/trail.
2. Follow the trail 0.4 miles to a multi-trail junction. At this point the access road/trail you are on will have gradually curved east to a NE heading of 40°. Observe this point on the trail and on your map.
3. At the junction take the walking trail which leads SSE at a heading of 160°.
4. After about 0.3 miles the trail will gradually change from a SSE heading to a NNE heading. Observe this point on the trail and on your map.
5. After about 0.6 mile further this trail will abruptly turn from a NNE heading to a NW heading. Observe this point on the trail and on your map, and use your compass to measure the angles of the NNE heading you came from and the NW heading you turn to.
6. A short distance further the trail will bend from a NW heading of 310° to a SW heading of 230°. Observe this point on the trail and on your map. Count the number of steps it takes you to reach the point where the trail bends, and use the length of your average stride to calculate this distance.
7. After about 0.4 mile further this trail will return to the main access road/trail which it started from. Observe this point on the trail and on your map.
8. Take this access road at a SW heading of 230° and return to the starting point at the chicken coops.

