



Staying Found with Map, Compass and GPS with Robert Speik of www.TraditionalMountaineering.org

**Saturday, February 27, 2010, 9am to noon or so-
The Environmental Center, 16 Kansas Street, in downtown Bend Oregon**

You just can't stay found with GPS alone! You need the right map and a compass too. But how do you use them together, for a day hike, a backpack, a hunt or a mountain bike adventure?

We will learn about USGS Quad maps (\$7) and affordable TOPO map computer programs (\$99) that help you print your own small maps. Free Forest Service maps at Trail Heads have UTM Grid lines and give you important locations in UTM NAD27 coordinates. How do you use these maps and grids? If you do not have the right map, you will be unable to use it with your compass or GPS.

We will learn about how to use a simple declination adjusted base plate Compass, not to just point to North, but to plot a bearing back to car or camp using the compass on the map as a simple protractor. If you do not adjust for declination you will be off 1,472 feet in each mile.

A simple Garmin eTrex H GPS (\$99) is just as accurate as a GPS costing \$750. There are just five basic GPS pages needed to find your way, to find a location on the map and to plot the way back along trails, traces and contours. Those participants with a GPS will learn how to set up their own receiver and use these five pages. If your selected GPS Datum does not match the map, waypoints may be off by 600'.

With a five page Workbook, we will work in pairs and threes on drills and real life situations. Handouts include an eleven page printed summary too. We provide the topo maps; you can work with your compass and GPS or try ours.

**In fairness to all, you must Reserve a place ASAP. Class size is limited.
Cost per student is a \$35.00 fee benefiting www.TraditionalMountaineering.org.
For information call Bob at 541-385-0445 or register at info@traditionalmountaineering.org.**