

878

Klein United Methodist Church

5920 FM 2920

Spring, Texas

www.troop878.org

www.kleinumc.org



Overview

- Purpose of Training
- Course Organization
- Map Reading
- Use of Compass
- Measuring your Pace Count
- Map & Compass Practice Course

Purpose of Course

- Rob Maxwell's Wood Badge Ticket
- Orienteering opportunity within the Polaris District proper;
- Expand Troop's involvement
- Increase visibility of Klein UMC
- Use course as a Troop fundraiser

Course Organization

- Registration paperwork
- Church “Green” sheet
- Permission slips
- KUMC
- BSA
- Merit Badge Booklet

Course Organization

- Maps
- Compass
- Pace Course
- Orienteering Course
- Lunchtime

Maps

- What is a map?
 - Types of maps
 - World Map
 - State of Texas
 - USGS Topographic Maps
 - Soil Maps

Maps

- Latitude & Longitude
 - Greenwich England
 - Meridians
 - Lines of Parallel
 - North & Declination
- Map Scales
 - Ratios

Maps

- Map Symbols
 - Topographic Map Colors
 - Green - vegetation
 - Brown – land forms
 - Red - roads
 - Blue - water
 - Black – buildings
 - White – open space

Maps

- Contour Lines
 - Lines of equal elevation
 - Topographic Map contour interval
 - Intermediate Contours
 - Index Contours

Maps

- Map Reading
 - Longitude and Latitude
 - Declination vs. True North
 - Trails
 - Hills & Valleys
- Traversing a Trail

Maps

- Exercise #1
 - Map Scale _____
 - Contour Interval _____
 - Quadrangle Map Name _____
 - Date Published _____
- Exercise #2
 - Plot a path using contours

Compass

- Parts of the compass
- Reading a compass
- Ruler
- Declination
- Bearings
- Azimuths
- Magnifying Glass

Compass

- Magnetic Compasses
 - Magnetic Needle
 - Scale in degrees
 - Revolving compass housing
 - Direction of travel arrow
 - Index Mark
 - Compass Bearing
 - Transparent base plate
 - Measuring ruler (inches and centimeters)

Compass

- Finding direction using a compass

Pace Course

- Location
- Purpose
- Strides per 100 feet
- Measuring number of strides per 100 feet
- Calculating pacing distances
- How to do Offset pacing

Orienteering Course

- Master map
- Points
- General Concept
- Starting points
- Recordings your points
- Listing of bearings and distances

Orienteering Course

- Measuring the distance between points
- Measuring bearings to fixed objects
- Starting points
- Recordings your points
- Listing of bearings and distances