



Welcome to the Don Willams Orienteering Web Page!



This Orienteering Course was developed as an Eagle Rank Project
by a Boy Scout from Troop 116 from Dallas Center, Iowa.

When completing orienteering activities, please remember safety first. Advanced courses are in undeveloped areas of the park which can pose many hazards - take a moment to give some thought regarding the hazards you may encounter! - Make sure someone knows your plans and when you're expected back. Complete with a buddy.

Tread Lightly!

In open country where there are no trails, spread out when hiking. Spreading out, rather than following each other's footsteps, disperses impact and avoids creating a new trail. Be considerate of others, respect wildlife, and minimize your impact. Get more information about **Leave No Trace** principals at:

<https://www.scouting.org/outdoor-programs/leave-no-trace/>

Several Orienteering and Compass courses are available - If you're participating as a large group, consider completing the courses in small groups with each group completing a different course. Please pack out any trash you may generate or find on the course.

HAVE FUN AND BE CAREFUL!

Beginner Cross Country Orienteering Courses:

Maps show route to take along trails - record benchmark identification numbers at each location

Course	Distance	Link to Orienteering Map
CW	2551'	<link to beginner CW map>
CCW	2551'	<link to beginner CCW map>

Advanced Cross Country Orienteering Courses:

Maps show route to take in undeveloped area of park - record benchmark identification numbers at each location on map

- *emphasis on map reading skills such as correctly orienting the map to north and interpreting contour lines*

Sprint Courses	Distance	Link to Orienteering Map
A	4798'	<link to XC sprint 1 map>
B	2347'	<link to XC sprint 2 map>
C	2142'	<link to XC sprint 3 map>
D	2676'	<link to XC sprint 4 map>
E	4016'	<link to XC sprint 5 map>
F	2180'	<link to XC sprint 6 map>

Short Courses:	Distance	Link to Orienteering Map
A	3583'	<link to XC Short 1 map>
B	3482'	<link to XC Short 2 map>
C	2864'	<link to XC Short 3 map>
D	2615'	<link to XC Short 4 map>
E	3396'	<link to XC Short 5 map>
F	3940'	<link to XC Short 6 map>

Long Courses	Distance	Link to Orienteering Map
A	3488'	<link to XC Long 1 map>
B	4566'	<link to XC Long 2 map>
C	3828'	<link to XC Long 3 map>
D	4055'	<link to XC Long 4 map>
E	8404'	<link to XC Long 5 map>
F	5881'	<link to XC Long 6 map>

Advanced Score Orienteering Course:

Map shows all benchmark locations - find as many as you can in 30 minute race time.

Each benchmark found worth 1 to 3 points - 1 point penalty for every minute late.

<link to Score map>

Advanced Compass Courses:

Same courses as above but intended to emphasise compass skills. User provided with distance and azimuth direction from starting point to next marker. All courses begin and end at same location identified on the map

beginner level - use maps above with labeled waypoints, but with emphasis on compass use in addition to reading contour lines.

intermediate level - use map with unlabeled waypoints markers (provided in link below)

<link to map all waypoints unlabeled>

<link to intermediate/expert course directions>

expert level - use map that does not have waypoints labeled (provided in link below)

its expected that user will plot coordinates on blank map upon receiving map

<link to map no waypoints>

<link to intermediate/expert course directions>

(for even greater challenge, attempt courses without map)

Course Keys that identify waypoint marker IDs is available at the following links:

<link to course key map>

<link to course key direction tables>

All waypoint marker locations identified with sub-meter accuracy GPS; maps and azimuth/distance values developed with ESRI ArcGIS geographic information system software.