

Agenda Introduction to Orienteering An Orienteering Course Orienteering Maps Basic Techniques How to get started and upcoming events Questions



What is Orienteering all about?

Navigate to a series of points (controls) shown on a specialized topo map, choosing routes - on or off trail - that will help you find all the controls and get to the finish.



How did Orienteering develop?

- Began in Scandinavia around 1900
 - Exercises in land navigation for the Scandinavian military
- · Gradually spread throughout the world
 - Kjellstrom brothers (founders of Silva) exported Orienteering to UK and USA
 - Silva holds the Trademark for Orienteering
- · Now practiced on six continents
 - World championships held every year
 - Olympic "C" sport, candidate for inclusion in Summer and Winter (Ski-O) Olympic games
 - Millions of competitors each year



Who goes Orienteering?

- Kids
 - Learning to read maps
 - Through Scouts, building team work and earning merit badge
 - Through Schools
- Families exploring a new (or familiar) park
- · Outdoors lovers looking for a change
- · Hikers looking to improve their navigational skills
- Adventure Racers wanting to get a leg up on the competition
- Seniors looking to stay healthy
- Businesses looking for team building activities
- · Competitive Orienteers addicted to the challenge

Where are Orienteering events held?

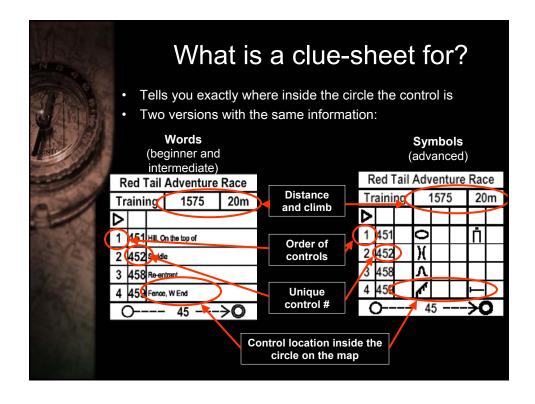
- Forests
- State and Regional Parks
- City Parks
- Suburban neighborhoods
- School/University campuses

Each type of area offers its own unique challenges

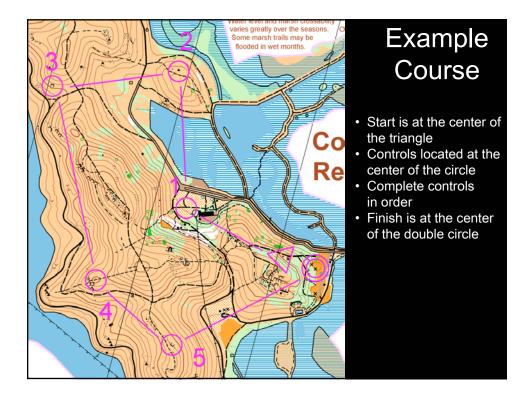
What am I looking for?

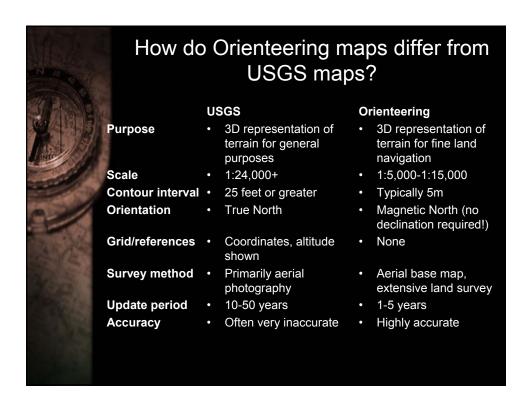
- Orange and white "Control"
- Clue-sheet (words or symbols) tells you exactly where the control is and the control number
- Number on the control confirms you are at the right one
- Use the punch on the punch card to prove you visited the control

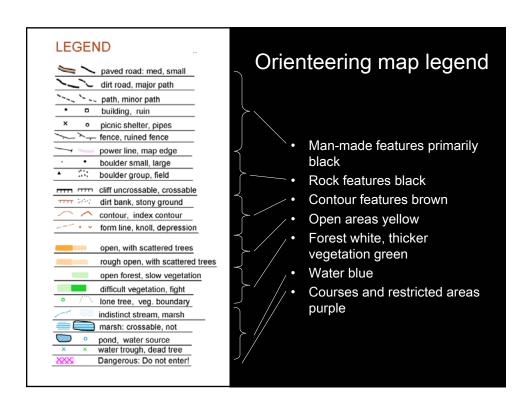




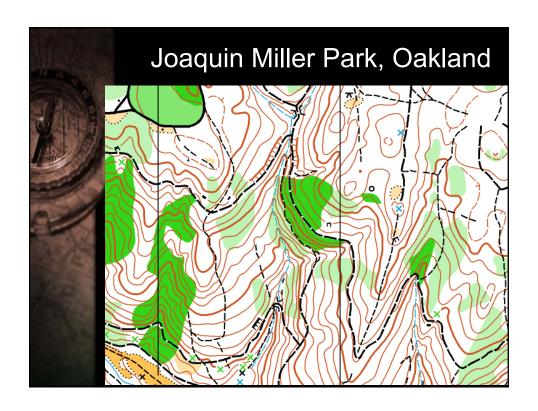
	What does the punch card look like?						
	Name: Course: Class: License:	Course: Star					
		21	22	23	24	25	26
	Finish::	11	12	13	14	15	16
	Start:: Time :	1 (451)	2 (452)	3 (458)	4 (459)	5	6
100		•					

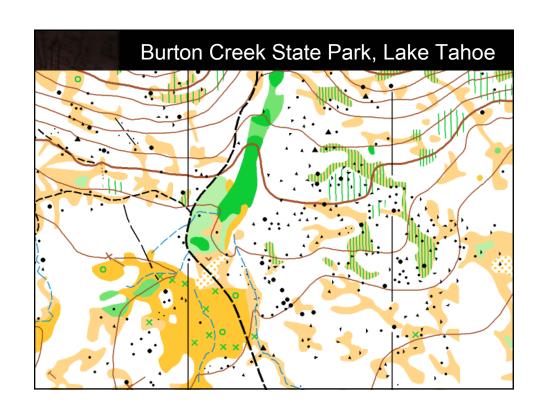


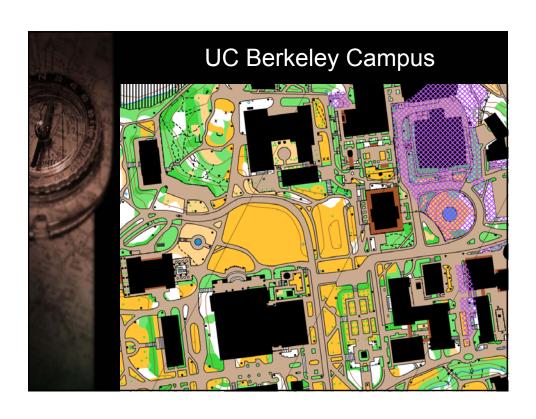














Navigational Techniques

- · Orient the map using a compass
- · Visualize the terrain from the map
- Recognize where you are on the map from the terrain
- Plan your route and check off features
- Taking a bearing (more advanced)
- Aiming off (more advanced)
- Attack point (more advanced)
- Traffic lights (more advanced)
- Pace counting (more advanced)



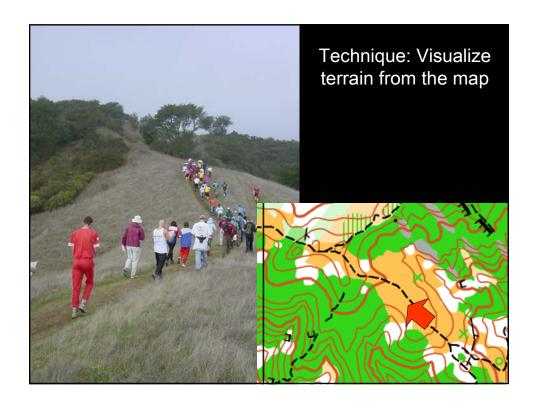
Techniques: Orienting the map

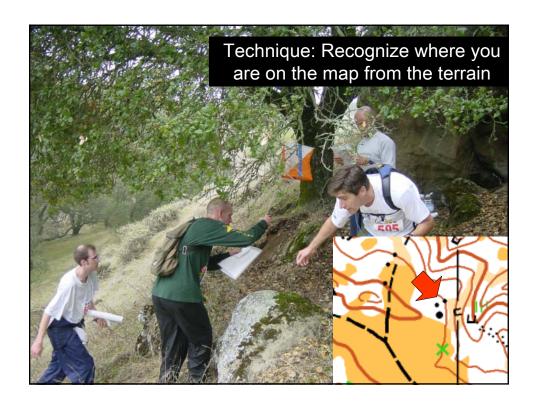
- 1. Place the compass on the map
- 2. Turn the map so the RED (North) compass needle points in the same direction as the North lines on the map

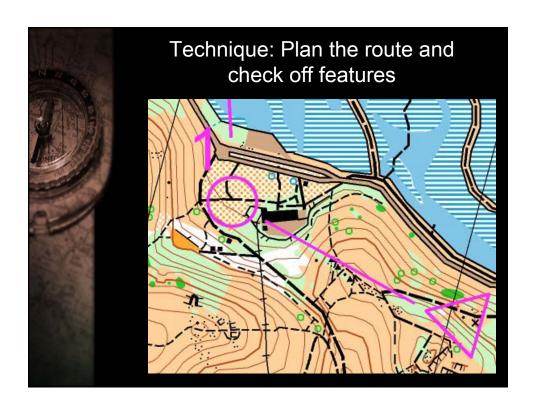
THE MAP IS NOW ORIENTED – Features on the ground will be aligned with the map

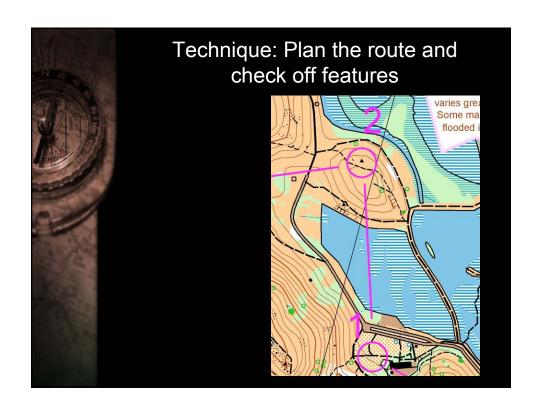
- Tip: Try to keep the map oriented all the time (need to turn the map as you change direction)
- Tip: Fold the map over so only the portion of the map you are interested in is visible

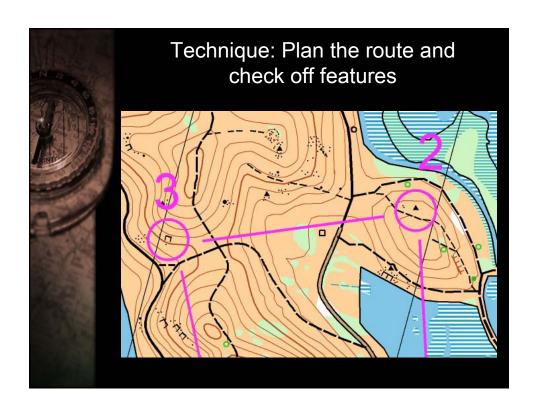














Some advanced techniques

- Aiming off if taking a bearing to a line feature, 'aim off' to one side or the other so once you hit the line feature you know whether to turn left or right to find the point feature
- Plan your route in reverse identify an easily recognizable attack point to hit that you can use to 'attack' the harder to find control feature
- Traffic-light approach
 - Go fast (green) when looking for large, easy to identify features (a major trail junction
 - Go steady (yellow) when looking for smaller, harder to identify features
 - Go slow (red) when looking for small, easily missed features
- Pace counting when the terrain is vague and you want to ensure you don't go too far/stop too early



Advanced technique: Taking a bearing

- 1. Lay compass on the map
- 2. Line up the base-plate with direction you want to go in
- 3. Turn the dial so the North marking on the dial is aligned with the North markings on the map
- 4. Turn the compass so that the North needle is pointing in the same direction as the North marking on the dial. The direction on the base-plate is the direction of travel
- Tip: You only need to take bearings when there are no reliable mapped features to navigate by. Don't overuse!



What is the event procedure?

- Beginners plan to arrive around 9:00-10:00am
- Register and select a course (see next page)
 - Control card
 - Clue sheet
 - Map (white course)
- Attend a 15-20 minute beginners clinic
- · Get a start time from the start official
- Complete course
 - Navigate to each control in order
 - Check the control number to verify at the correct point
 - Punch the relevant box on the control card
- · Hand in control card at finish
- · Relax, discuss route choice with others
- · See how well you did
- · Maybe try a second course



Which course should I choose?

- White beginners courses, follow trails and other linear features. Good for first timers and kids age ~9-12. 1.5 – 3.0km
- Yellow controls in less obvious locations, more offtrail. A great next step after successfully trying white course. 2-4km
- Orange Intermediate controls that require crosscountry travel. Can be quite challenging, physically and mentally.
- Brown, Green, Red, Blue Advanced courses with the most demanding navigational requirements. NOT RECOMMENDED until some success with orange. Different lengths from Brown up to Blue (longest)



What should I wear?

Beginner (white/yellow)

- Sun hat
- Layered top
- Compass
- Long or short pants
- · Sturdy shoes





What should I wear?

Intermediate/advanced

- · Lightweight nylon top
- Lightweight nylon pants
- Compass
- Gaitors
- Shoes with cleats or short spikes





Does Orienteering damage the land?

- · Orienteers go off trail, raising environmental concerns
- · We care deeply about the parks we use
- · Actual environmental impact is very low and short-lived
 - Not using pristine wilderness areas
 - Work with park rangers to avoid sensitive areas
 - Courses visit different controls dispersed impact
 - Affected areas recover within weeks at worst
 - Low impact confirmed by scientific studies
- Orienteering builds a tremendous love and respect for our environment



What about safety?

- ALWAYS REPORT TO THE FINISH whether you complete your course or not
- ALWAYS RETURN TO THE FINISH BEFORE THE COURSE CLOSING TIME OR WITHIN 3 HOURS whether you complete your course or not
- · Carry a whistle
- Know your limits (physical and navigational) and stay within them
- Take precautions if allergic to poison oak, bee stings, etc.



Are there different 'flavors' of Orienteering?

- Point-to-point (standard)
- Score-O
- Rogaine (Adventure Orienteering)
- Ski-O
- Many other minor variations, but all involve maps and navigation



What's new in Orienteering?

- · Computer mapping
 - Continuously updated maps
 - On-demand printing
- · Electronic punching
 - Split times for each leg
- · Tracking competitors in real-time
 - A few demonstrations so far





- Non-profit, 100% volunteer organization
- Events held year round, approximately every 2 weeks
 - Santa Cruz to Santa Rosa
 - Golden Gate Park to Livermore
 - Lake Tahoe Region
- Sister club in Sacramento (GCO Gold Country Orienteers)
- A great group of people!



How do I get involved?

- Attend a BAOC Orienteering event
- Ask for help
- Visit our website to learn more about Orienteering
- Join the club
- Volunteer (no experience necessary)
- Sign up for monthly email announcements



When are some local events?

· Updated list of events

All events are listed at www.baoc.org

