

Course # 7

Full-Length Compass / Dead Reckoning Only Course (Scouts BSA Version - Technical)

(1.2 miles, 24 Navigation Points)

This orienteering course is for teens, adults, and Scouts. It relies solely upon the use of a compass and the provided map to find your way from point to point until completion.



Scouts:

You should only need the map, your compass, a straight edge and a pencil for this course. It is up to you to figure out your headings and distances. Write your headings and distances in the blanks provided in Course Guide #7.

Next, calibrate your steps (calibration guide provided at the end of this document)

Use your compass and filled-in Course Guide #7 to navigate the course. Don't worry, many helpful hints are provided in the Course Guide to guide you to most points.

Most navigation points are marked by a circular brass monument that is 2-3 inches in diameter (again, not all points are marked).

There are letters stamped on the brass monuments (Verification Code). Record the letters found on each monument. These letters comprise a code validating your completion of the course IN THE PROPER SEQUENCE.



Geocache Access:

Keep your eye out for a geocache that is stashed near a monument somewhere in this course.

To get into the geocache, you **MUST** know the year the Declaration of Independence was signed. Once opened, sign the guest book inside!

Bring a little token goodie to leave inside the geocache if you want to take something out.

This course fulfills Boy Scout / Scouts BSA First Class requirement 4A.

Calibrate Your Steps!!!!

- 100 feet directly east of the starting point, there is another brass monument embedded in the concrete. That is a your "Calibration Control Point". Go to that point.
- Using your normal size steps, walk in a straight line from the Calibration Control Point to Point 0. Carefully count your steps.
- Now you know many of your steps make up 100 feet. For instance, if it took you 38 paces, then you know that every time you take 38 paces, you will have travelled 100 feet. This is especially important for longer distances in the course.

Good luck and HAVE FUN!!!

Course Guide #7

Full-Length Compass / Map Course

BE SURE TO CHECK DECLINATION!!! As of 2019, the declination is 2.5° East, BUT DECLINATION CHANGES!!!

The headings and distances are for you to figure out using the provided map and a compass. Calculate the distances and headings and record them in the spaces below. Also record the verification code letters stamped on each monument.

Scouts: If this course is simply too difficult, you may use the "Full-Length Compass Expedition - Recreational Version" course and still fulfill First Class Requirement 4A WITH YOUR SCOUTMASTER'S PERMISSION.

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From	To	Marked ?	Heading	Distance	Hint	Verification Code
0	-	-	-	-	The starting point on the North Side of the Park's Information Kiosk. When you enter Pecan Grove Park, the Kiosk is the small brick structure on your right, exactly 300 feet from Pitts Road. On the NORTH side of the Kiosk, you will see a 2.5-inch diameter bronze monument on the ground. That is your starting point.	
0	1	No			The Red Sea, the Gulf of Aden, and the Great Rift Valley forms a geologic feature called a "triple junction".	
1	2	Yes			Head towards Canada, take a break in the shade	
2	3	Yes			In the "Mending Wall", Robert Frost said that "Good fences make good neighbors".	
3	4	Yes			An electrifying experience.	
4	5	No			READ WARNING #1 Q: Why did the chicken cross the road? A: To get to waypoint #5 (Look both ways)	
5	6	Yes			Can you see it from here? No clue provided. We have faith in you	
6	7	Yes			No need to climb or cross the fence	
7	8	Yes			Park within a Park	
8	9	No			Swale - a shallow channel with gently sloping sides. Stand on the bank. But which one? Let's hope your paces are accurate!	
9	10	Yes			Do you see the short pillar? What's with that chain? Do you recall what year the Declaration of Independence was signed?	
10	11	Yes			READ WARNING #2 In the 1800s, Horrace Greeley wrote "Go west, young man." Go WAY west (and a little bit north). Find the short pillar.	
11	12	Yes			READ WARNING #2 The grass vertex	
12	13	No			This one is pretty short, sweet, and easy. No hint this time	
13	14	No			They say Moses was found on the BANK of the River Nile	
14	15	Yes			Save cave exploration for another time	
15	16	No			Flow downstream to a point on the line of an angle bisector	
16	17	No			Past the woods and over the hill	
17	18	No			Over the hill and to the dale	
18	19	No			Travel as though water	
19	20	Yes			Do you get my point?	
20	21	Yes			You're almost done. No time to play	
21	22	Yes			WARNING #1 All good buildings are built upon a strong foundation	
22	23	Yes			Don't cross the road	
23	24	No			You've taken 23 bearings so far. We trust you'll find this last, unmarked point. Good luck!	
24	0	Yes			Back to where you started and you're done!	

WARNING #1	Metal protruding from the ground may adversely affect a compass needle. Consider stepping sideways a couple steps prior to taking your compass reading, then correct a few steps later.
WARNING #2	On this point, DO NOT merely follow the compass needle. It may take you WAY off course. Instead, shoot an azimuth to an object in the distance (point) and walk toward that object Can you guess why?

Write out the verification letters below for your double top secret message. Good luck Ralphie!

