

Zig Zag Compass Challenge

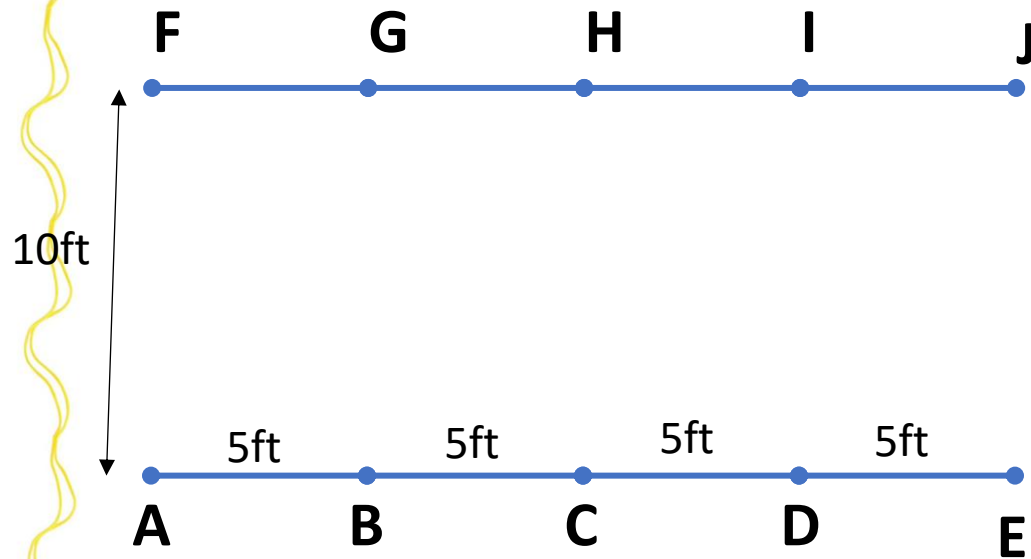
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Zig Zag compass challenge

- This activity is a fun and easy way to teach beginners how to follow a bearing on a compass
- The course is set in a small area with two parallel lines of markers
- Participants start at one marker and follow a set of bearings to zig zag from one marker to the next, writing down the codes they find along the way



Zig-Zag Set-up

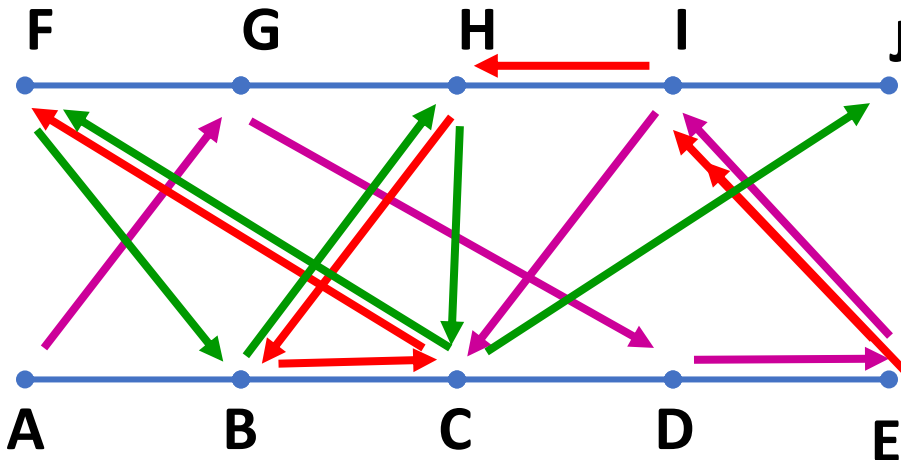


NOTE:

- Ropes must be staked EAST/WEST for bearings to work
- Distance between ropes need to be reasonably close to measurement for bearings to work.

- Kit includes:
 - two lengths of paracord each with 5 markers spaced 5 feet apart
 - cards for scouts to write the letters of the points they visit (three sets for starting point A, C and E)
 - Answer key for scouts to check when done
 - Spare compasses
- Lay out the first rope in EAST-WEST direction (use compass); stake tightly
- From Point A, use compass to North, 10ft to Point F, stake the second rope in EAST-WEST direction

Zig-Zag Play



Start A		Start C		Start E	
30° to	G	310° to	F	330° to	I
130° to	D	150° to	B	270° to	H
90° to	E	30° to	H	210° to	B
330° to	I	180° to	C	90° to	C
210° to	C	50° to	J	310° to	F

- Each Scout gets 1 of the 3 cards/courses (starting at either A, C, or E)
- Scout should begin at the starting point indicated on the card
- Set the compass to the first bearing and look for the marker on the bearing
- Walk to the marker and write down that letter
- Take the next bearing
- Continue to until you have written down each point.
- Check your card with the leader.

Zig-Zag Answer Key

Start A	
30° to	G
130° to	D
90° to	E
330° to	I
210° to	C

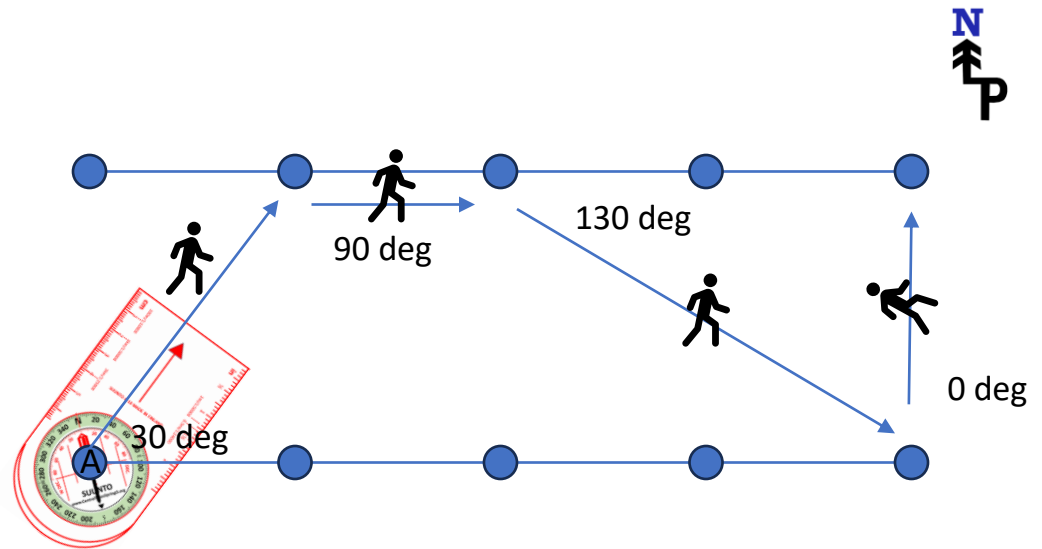
Start C	
310° to	F
150° to	B
30° to	H
180° to	C
50° to	J

Start E	
330° to	I
270° to	H
210° to	B
90° to	C
310° to	F



ZIG-ZAG Compass Challenge (Participant Instruction)

- Pick up a card with 1 of 3 courses
- Start at the marker shown on the card
- Set a bearing as noted on card
- Identify the marker that is in line with that bearing
- Walk to that marker
- Write down the code at that marker to show you made it to the correct one
- Repeat setting each bearing on your card and recording the code found
- Check your codes against the key below
- You've just taken a bearing and followed it!



Sample card to write in code

Start A	Code
30° to	
90° to	
130° to	
0° to	

Setting a Bearing

- Rotate the bezel so the bearing is at the direction of travel arrow
- Hold compass flat, rotate your body until red is in the shed
- Your direction of travel arrow is now pointing to your bearing

