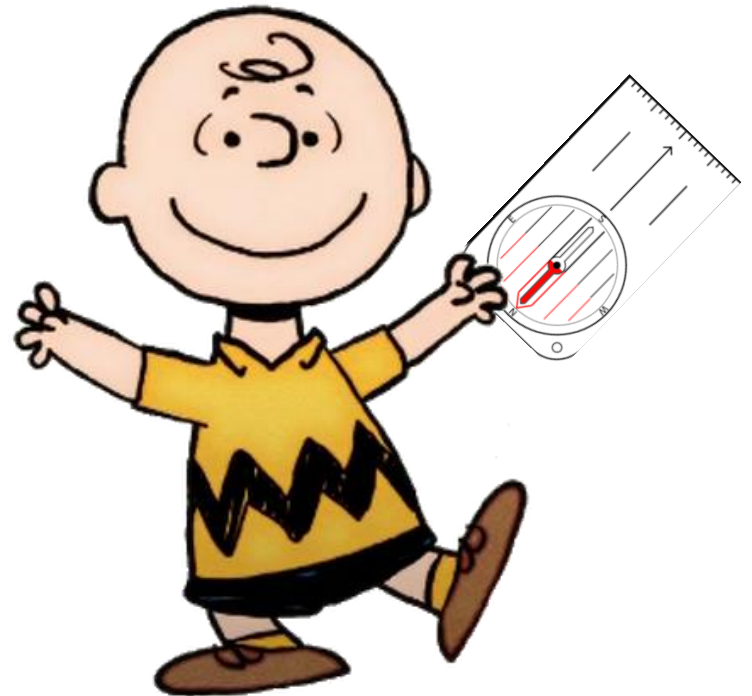


Zig-Zag Compass Challenge

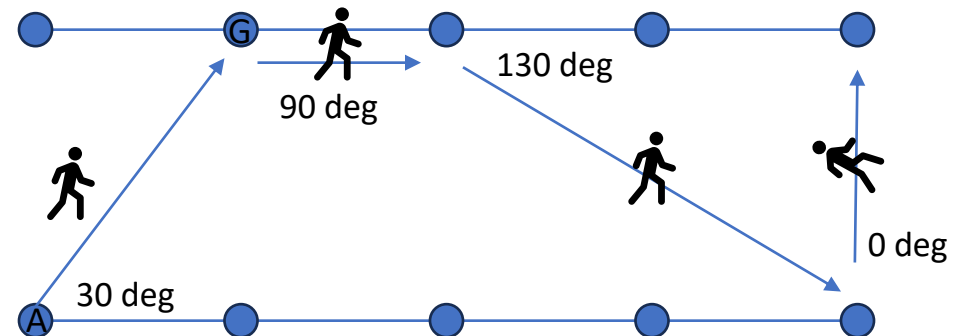
Orienteering@troop8787.org

This packet is free to use, please share!

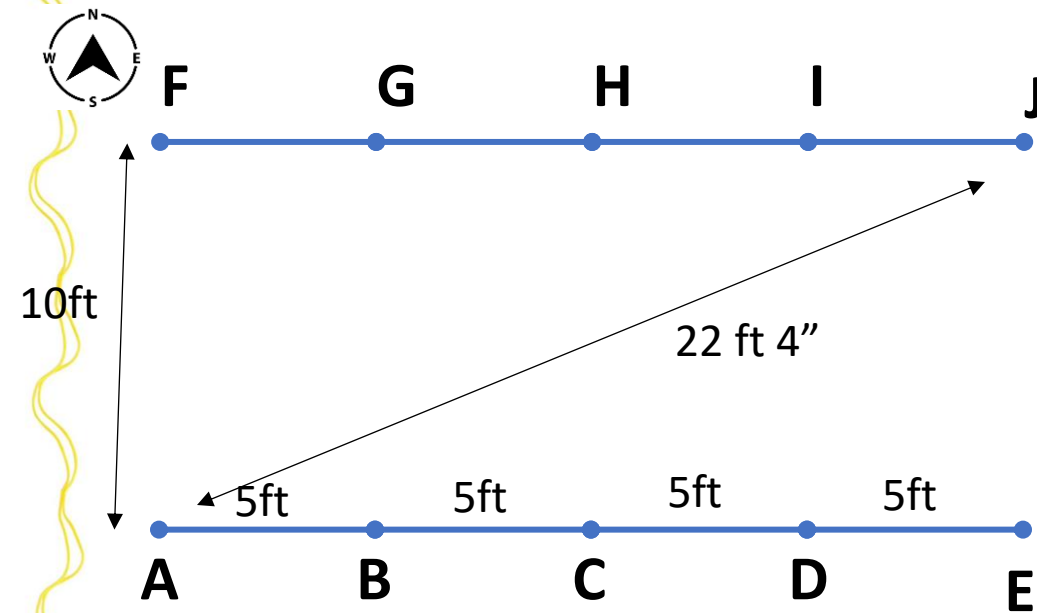


Zig Zag Compass Challenge

- This activity is a fun & 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

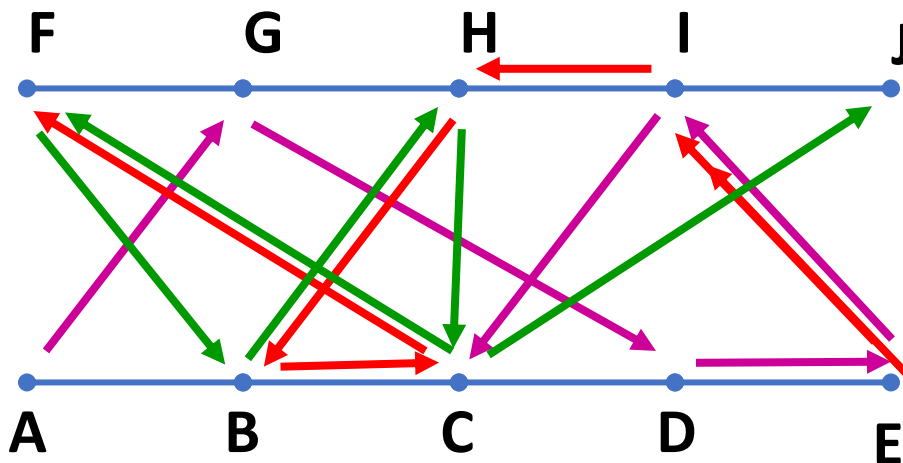


NOTE:

- Ropes must be staked EAST-WEST for bearings to work
- Distance between ropes need to be reasonably close to measurement for bearings to work.
- Checking the diagonals helps to make sure you are square

- 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 or E)
 - Answer key for scouts to check when done
 - Spare compasses, pens
- Lay out the first rope in EAST-WEST direction with F north of A (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

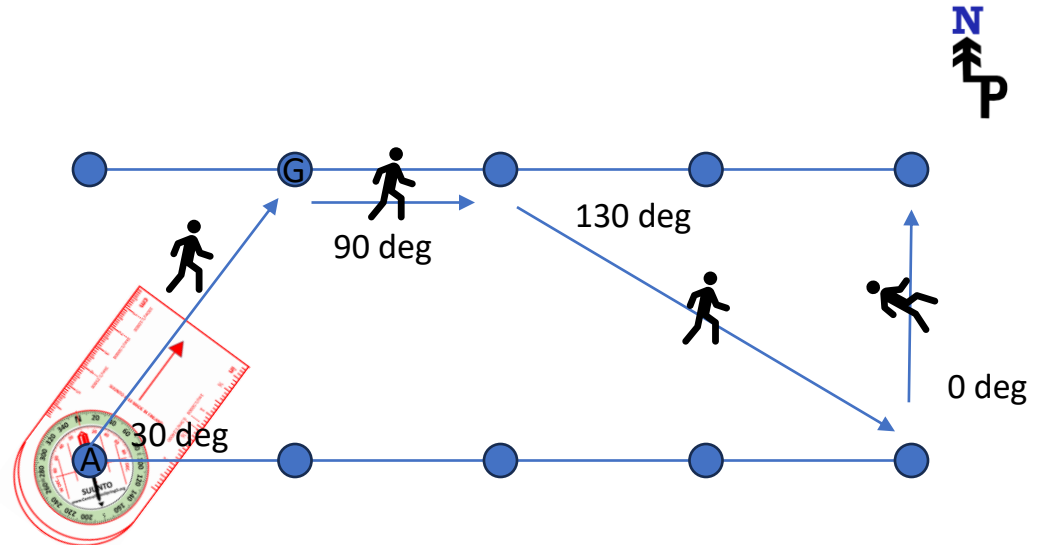
- Each Scout gets 1 of the 3 cards/courses (starting at either A, C, or E)
- Scouts should begin at the starting point indicated on the card
- Set the compass to the first bearing and look for the marker on the bearing
- Walk to the marker and write down that letter
- Take the next bearing
- Continue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

Zig-Zag Answer Key

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

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
- You've just taken a bearing and followed it!



Sample card to write in code

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

Setting a Bearing

- Rotate the bezel so the desired bearing is at the direction of travel arrow
- Hold compass flat, rotate your body until red is in the shed (north needle is on the orienting arrow)
- Your direction of travel arrow is now pointing to your bearing

