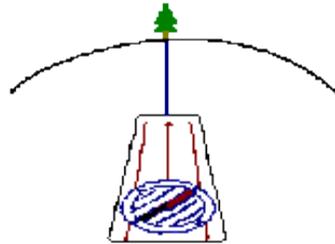
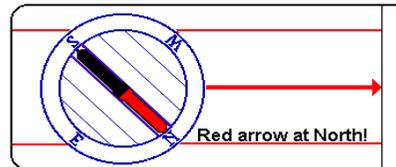


### Taking a Bearing

1. Hold the compass flat in your hand with the **direction of travel arrow** pointing towards your destination or objective.



2. Turn the compass housing until the **compass needle** lines up over the **orienting arrow**. Ensure the north pole of the needle, usually red, is used.



3. Read off the magnetic bearing (that is, the number of degrees) from the mark on the compass housing indicated by **the index pointer**.

4. Keep the housing in that position and check your bearing at regular intervals by lining up the needle with the **orienting arrow** and walking in the direction indicated by the **direction of travel arrow**.

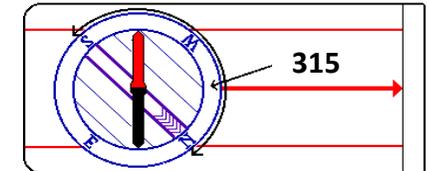
### Walking on a Bearing

This is used when you can initially see your objective or destination and don't need a map.

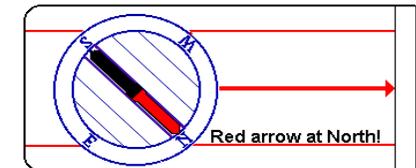
Or when orienteering you are given a bearing to follow.

Or when you have calculated a bearing from a map that you need to follow,

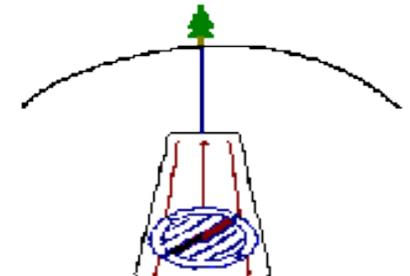
1. Turn the housing of the compass until the bearing you require is against the **index Pointer** e.g. 315 degrees



2. Turn the compass until the needle lies over the **orienting arrow**.



3. Pick out a landmark along your **direction of travel** line and walk towards it.

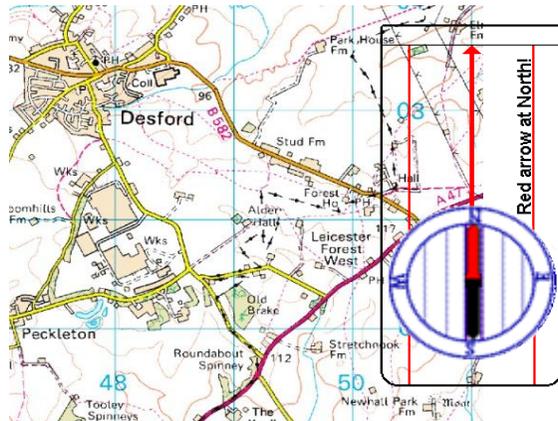


4. Check your bearing and your objective at regular intervals.

### Setting a Map with a Compass

This is for when you are using a map in conjunction with a compass to reach a given destination, probably in unfamiliar territory.

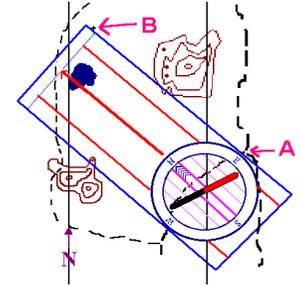
1. Turn the compass housing dial to North (or if you need to be very accurate, until the magnetic variation for the area is shown against the **index pointer**).
2. Place the **direction of travel arrow** pointing along a **vertical** grid line with the **direction of travel arrow** pointing to the **top** of the map.



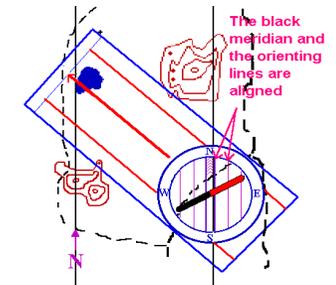
3. Turn the map and the compass together so the **compass needle** points to the North mark on the compass housing.
4. Your map is now 'set' and you should be able to recognise actual features from your map in front of you.

### Taking a Bearing from a Map

1. Place the compass on the map so that one long edge joins the start point and your destination, with the **direction of travel arrow** pointing towards the direction you wish to travel. (The orientation of the map does not matter for this exercise).

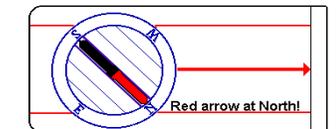


2. Turn the compass housing until the **orienting green** points to the top of the map and the orienting lines are parallel to the grid lines.

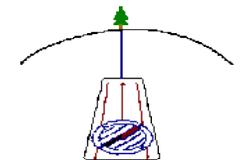


3. Take the compass off the map and read off the bearing at the **index pointer** (Again, for accuracy add or subtract the local magnetic variation).

4. Turn the whole compass so that the **compass needle** comes to rest over the **orienting green**, with the red part to the north.



5. Hold the compass in front of you, pick out a landmark along your **direction of travel** and walk towards it.



**1. The Compass**

- Demonstrate you can identify the names of the components of the compass.

**2. Taking a Bearing**

- Pick any object, distant from here you are standing and demonstrate that you can set your compass to that bearing.

**3. Follow a Bearing**

- Demonstrate that you can set your compass to a bearing of 315 degrees.
- Now demonstrate that you know how to use that setting to follow a direction of travel

**4. Setting a Map**

- Using the map here:
- Assuming you were at coordinates 010101 and heading North, set the map so that you could see Desford straight ahead.

**5. Taking a Bearing from a Map**

- Using the map here: demonstrate you can calculate the bearings for the following:
- 035020 to 020028
- 030035 to 034023

