



**Getting your Bearings**  
*Planning the route home*

**Narrator**

This is the eastern end of the whole ridge.

Lose Hill is the last place we'll visit on the video, and it's nearly the end of the trail for our walkers.

**Elisabeth**

At last! Lose Hill!

**Chris**

Yeah, but we're still not at the top.

**Elisabeth**

Well, I guess we really are at the top now.

**Chris**

Yes.

**Elisabeth**

This is jolly nice. Look, it's got the points of a compass on it. Do you reckon that's Magnetic North there?

**Mike**

No, this points to Grid North. I can show you that if I use my compass.

**Elisabeth**

Good idea.

**Mike**

If I place my compass here, along the north/south line ... Can you see my red needle? There's a deflection, five degrees west of north ...

**Elisabeth**

Like we've been using, yeah.

**Mike**

Yeah. Now, in fact, whilst we're here, I think it's time to think about planning our return journey. We're here at the moment and we want to get to Losehill Farm. The problem is, we can't see the farm from where we're standing; and it's important that we get the right track, because an error from this point could take us anywhere. I mean, a few degrees out, we could be anywhere.

**Chris**

Shall I have a go then?

**Mike**

Yeah. I think that'd be great actually, Chris.

**Chris**

Right. So, let me see if I can get this right. Well, we're going from Lose Hill to Losehill Farm down this path, so to plot a bearing you need to join those two points up, rotate this so the black lines are parallel with the grid lines, then add five degrees. And then we can check our bearing. And we go straight down there.

**Mike**

Well, that's pretty conclusive, Chris, but before we go let's have a look at this. So far we've been using traditional navigating equipment, but of course in this day and age, with technology, we have this. Now, this instrument is called a Global Positioning System – GPS for short. In the display, we've got 53 degrees and 22 north, and 1 degree 46 west. That latitude and longitude can easily be cross referenced with our present grid system.

**Elisabeth**

That's amazing.

**Mike**

Yeah, it's pretty good. Mind you, the beauty of the traditional methods is that we don't have to rely on batteries.

**Elisabeth**

Very true!

**Mike**

Shall we go home?

**Elisabeth**

That's a good idea.

**Chris**

OK, let's go.

**Narrator**

The route they selected did indeed lead them Losehill Farm, and then home.