

SHARE Lesson 3: Mapping out the sample area

Vocabulary

Title	legend/key	GPS: global positioning system	meters
Compass rose	landmark	Scale	navigation

Why are maps important? What are the good for?

- Finding things/places
- Idea of what the area looks like
- Traveling from one place to another
- Understanding scale and distance between two things

What is on a good map?

- Title
- Legend or key: explains what symbols mean
- Scale
- Compass rose: picture of a compass on a map that matches the map directions(N,S,E,W) to real directions
- Landmarks: visible clues to help us figure out where we are and where other things are

Map game:

Draw a map of the classroom for a partner.

Draw enough landmarks so they can find something in the room even if they don't know where it is.

Draw a path for them to follow to find the hidden or small object.

GPS:

What does a GPS unit do?

- Can track any place on the earth's surface to < 10 meters (about 30ft) and sometimes as few as 3m (9ft)
- Uses satellites
- Can mark waypoints and tracks
 - Waypoints: specific positions
 - Track: continuous trail