

Maps

- ⇒ A map is a representation of the earth
- ⇒ Helps to simplify the real world by using symbols and colours to represent features of an area.
- ⇒ The maker of the map (cartographer) must decide what features to include
- ⇒ Maps have been used for over 4500 years for exploring, determining location and calculating direction or distance of travel

Map Projection

- ⇒ is created when the features of a globe are transferred onto a flat surface
- ⇒ all maps have some form of distortion
- ⇒ examples of distortions include:
 - ↳ size
 - ↳ shape
 - ↳ distance
 - ↳ direction

Mercator Projection

- ⇒ preserves direction, therefore is suitable for navigation

Equal-Area Projection

- ⇒ preserves size and shape of countries

Winkel-Tripel Projection

- ⇒ a compromise between all map types by providing a balance between size, shape, distance and direction