

**Image models
graphic representation
like maps**

**latitude
and longitude
pinpoint locations
on earth**

**maps are plan views
seen from above**

**equator
runs east-west**

**maps can show
great detail**

zero degrees

latitude

**use symbols
explained in
the legend**

prime meridian

runs north-south

zero degrees

longitude

**a map scale
compares length
on map
to length
on earth**

**North pole
is 90 degrees
north latitude**

**South Pole
is 90 degrees
south latitude**

**gets earlier
east to west**

**International
Date line
180 degrees
east longitude
same as
180 degrees
west longitude**

**later
west to east**

**time zones
15 degrees
of longitude**

**day changes
at International
Date Line
next day
traveling west**

**takes earth
one hour
to rotate
15 degrees**

**previous day
traveling east**

**Topographic maps
show changes in
elevation**