

**LO:-** To measure straight-line distances using the appropriate scale.

**Success criteria:**

Locate given countries on a map

Measure straight-line distances

Convert these using a given scale

Identify patterns in the penguin population



**Key Vocabulary:**

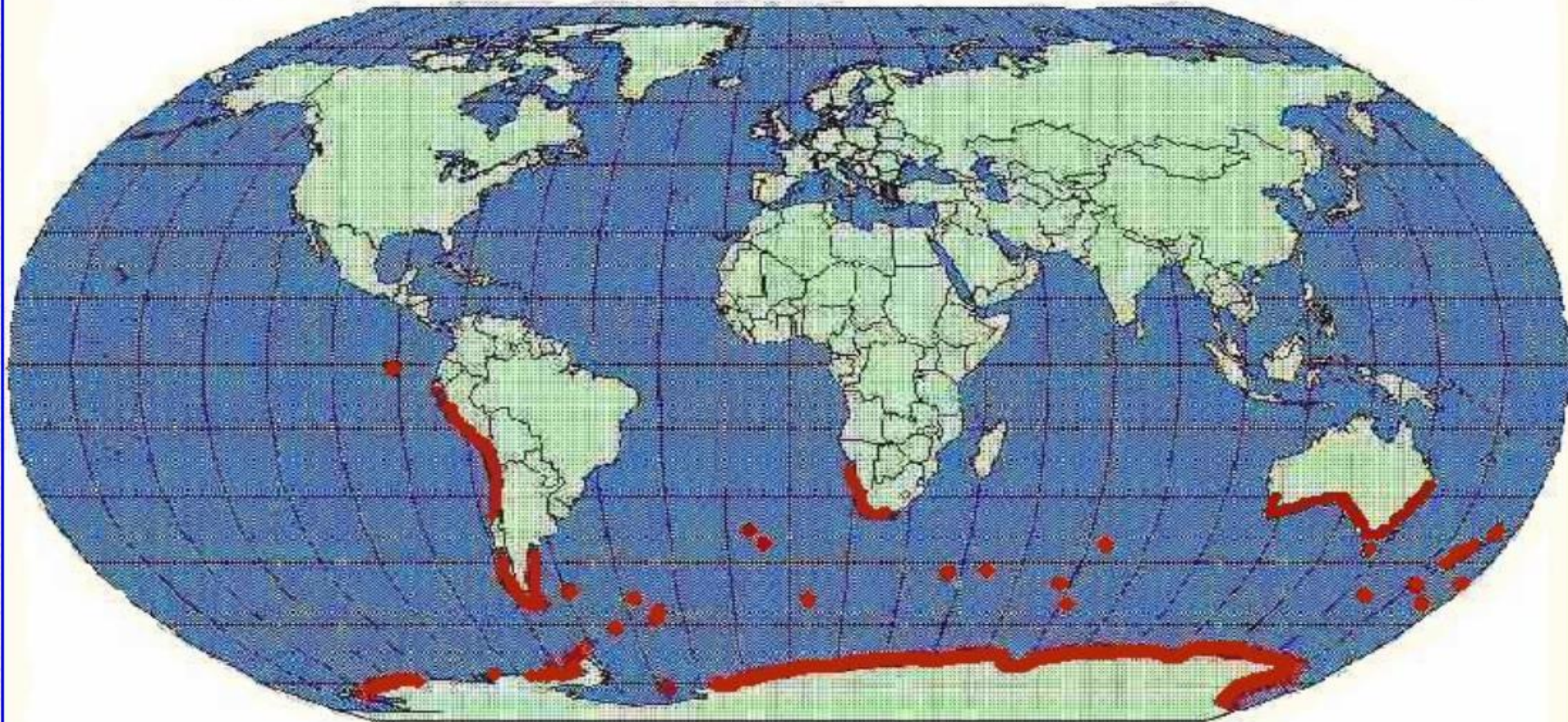
- Country
- County
- Continents
- Oceans
- Seas
- City

# Where in the world do we find penguins?

Today we are going to ,locate different countries where penguins live.

We are going to measure how far away certain penguins are from penguins in a different country.

**World Penguin Distribution marked in red - click on map for information on each region**



<http://www.penguins.cl/penguins-region.htm>

<http://www.penguinworld.com/types/>

# Measuring straight line distances

**Using counters, you are going to plot the location of penguins on the map and measure the distance between them.**

Once you have measured the distance, you will use a calculator to work out the scale.

The scale is 1: 88,000 000

In KM, this becomes 88,000

This means, for every centimetre you measure, you have to multiply your answer by 88, 000 to get the actual distance!

Write the location and distance in your books

# Your task

## Red

Can you locate different countries of where penguins live in the world using an atlas.

## Blue

Can you locate all countries that penguins live in and measure in cm the distance from one to another.

## Gold

To convert measurements by converting 1cm = This means, for every centimetre you measure, you have to multiply your answer by 88, 000 to get the actual distance!

### Challenge:

- Can you identify any patterns in the penguin population?
- What penguins are furthest away?
- Which penguins are closer together?