



WE  MAPS

INTERNATIONAL MAP YEAR 2015–2016

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MAP SKILLS
GRADES 4-7





You need map skills when

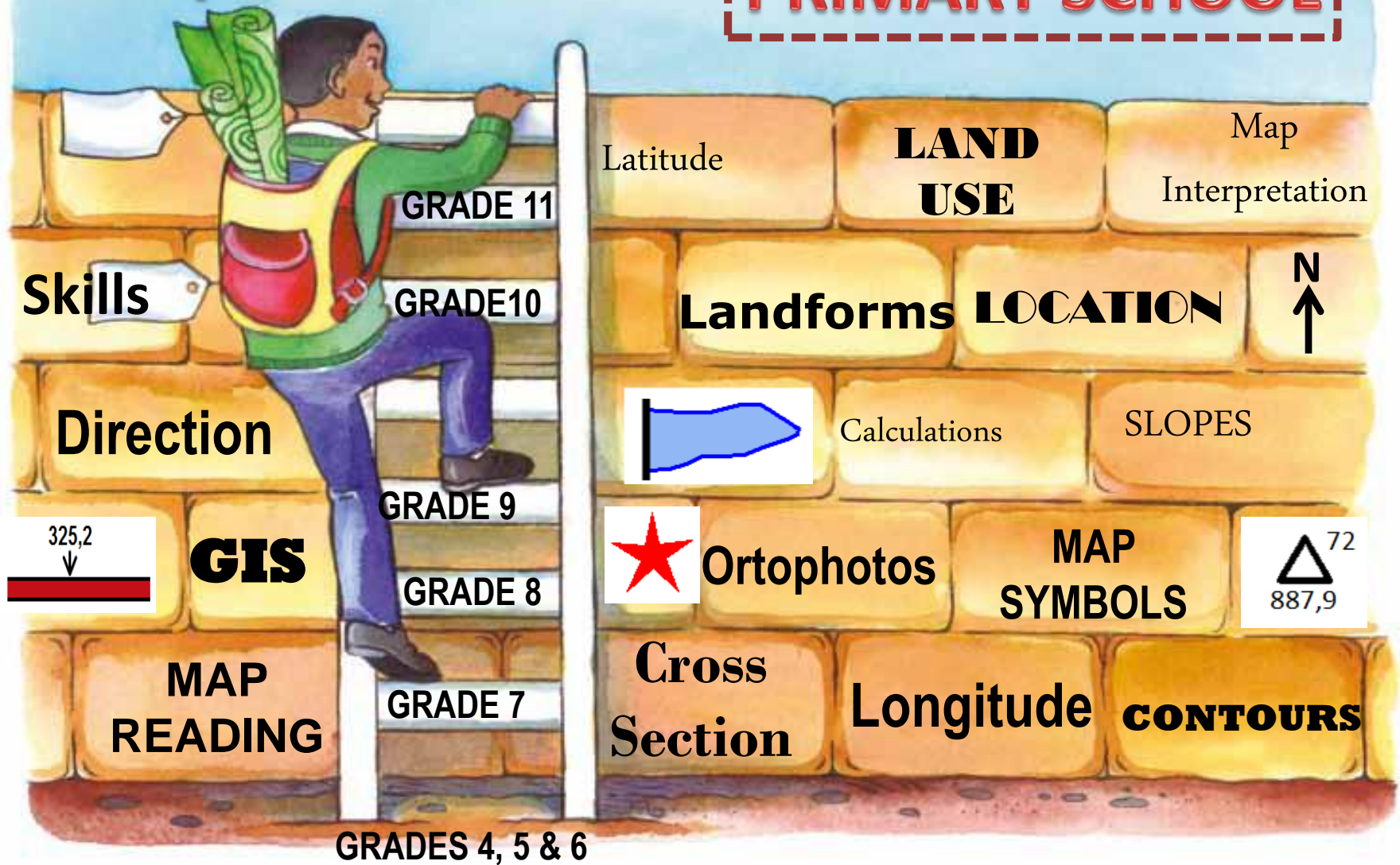
What country is next to the USA?

USB



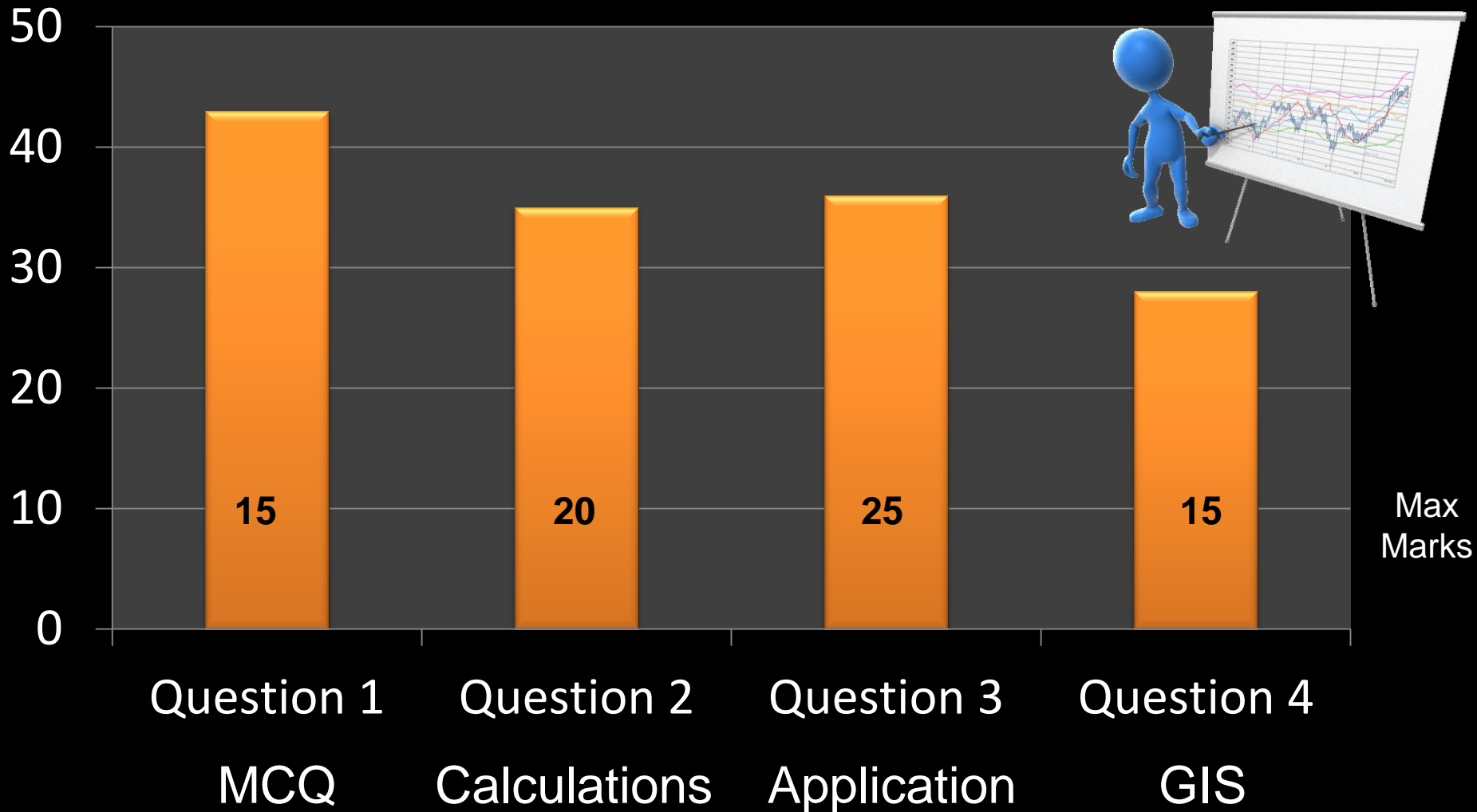
Ready for Gr 12
Map Work Exam!!

Starting at
PRIMARY SCHOOL



QUESTION ANALYSIS

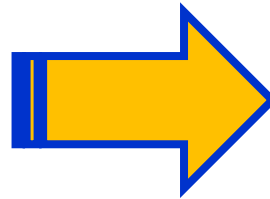
Matrics of Western Cape Paper 2 - 2015



MAPWORK REALITY GR 12



Paper 1 average = 46,7
Paper 2 average = 39,2



Mapwork
is
FUN!



Must know how to
read and work with
maps - starting at
Primary School

PRIMARY SCHOOL MAP SKILLS CONTENT

UNIT	GRADE 4	GRADE 5	GRADE 6	GRADE 7
1	Side and plan views#	World map and compass directions#	Latitude and longitude (degrees) #	Local maps and street maps #
2	Symbols and key#	Africa, our continent	Scale #	Sketch maps and explain routes#
3	Grid references #	Physical map of Africa	Atlases, global statistics and current events	Distance and scale#
4	Compass directions #	Images of Africa		Current events
5	Map of South Africa			
6	Globe & map of the world			

Skills needed in Grade 12



Map symbols

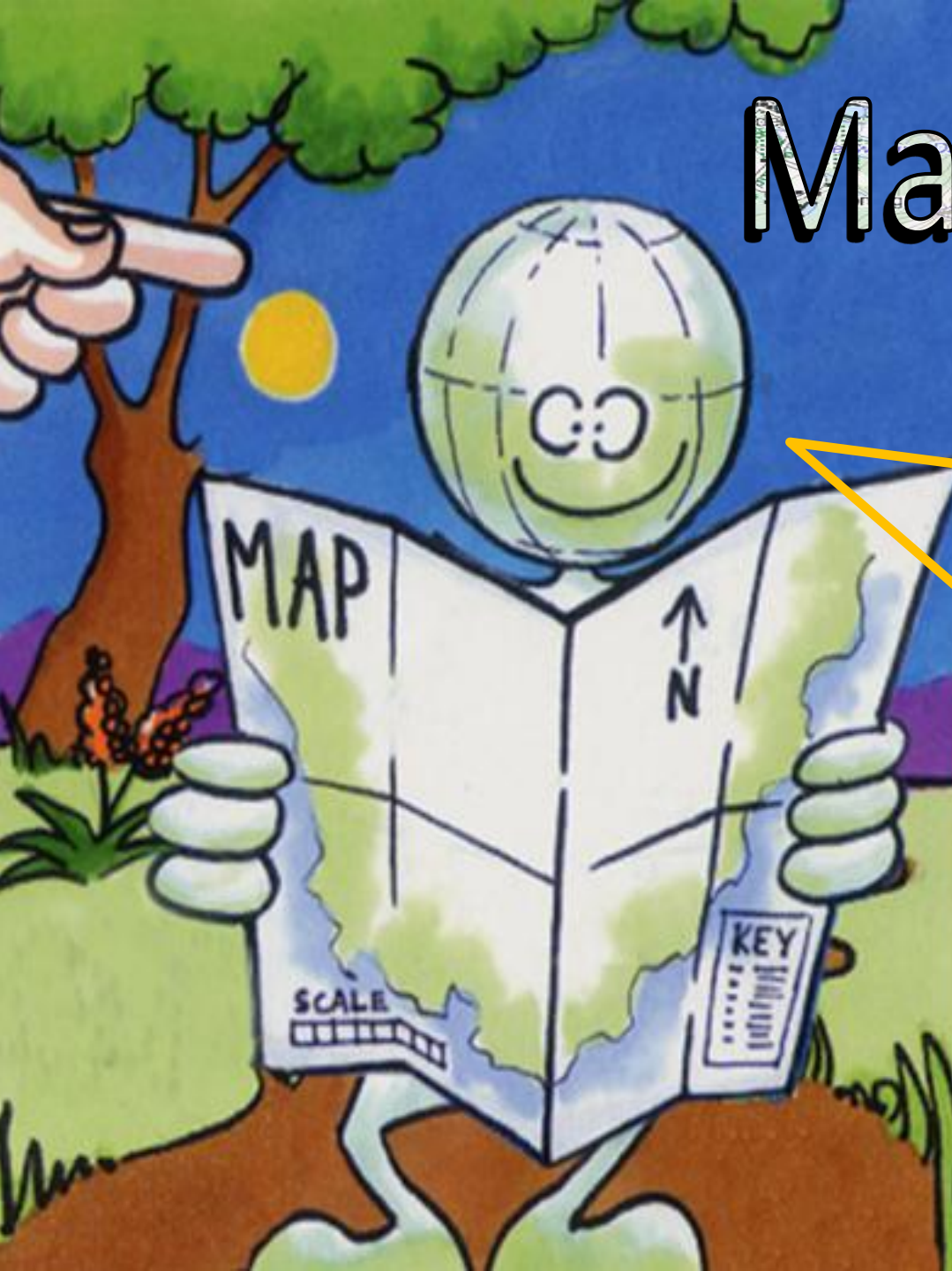
DIRECTION

Distance
& Scale

**APPLICATION
AND INTER-
RETATION
OF MAPS**

**Latitude
Longitude**

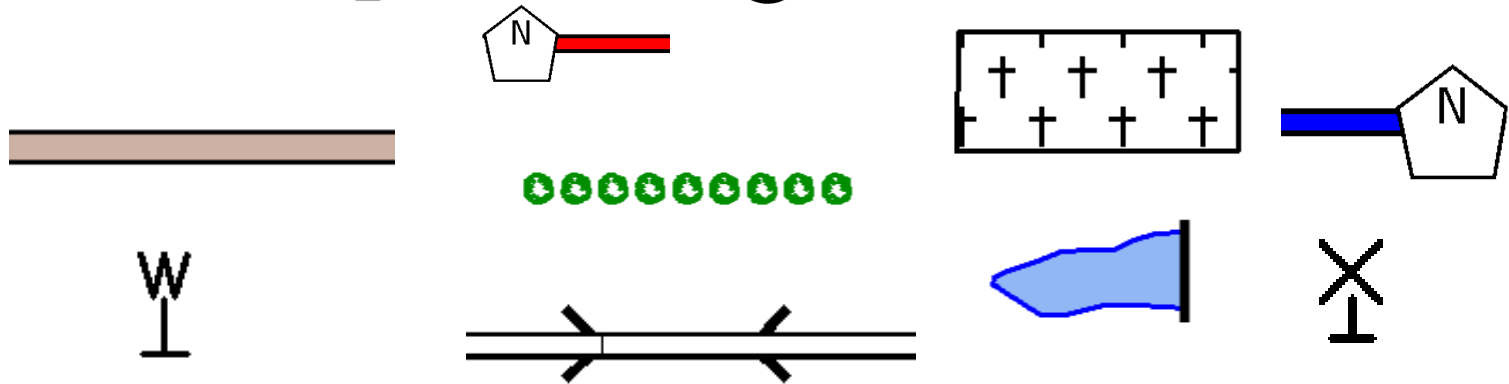
Map Symbols



I can read maps quite well ... I just don't know what all those lines, triangles, colours, names and numbers mean!



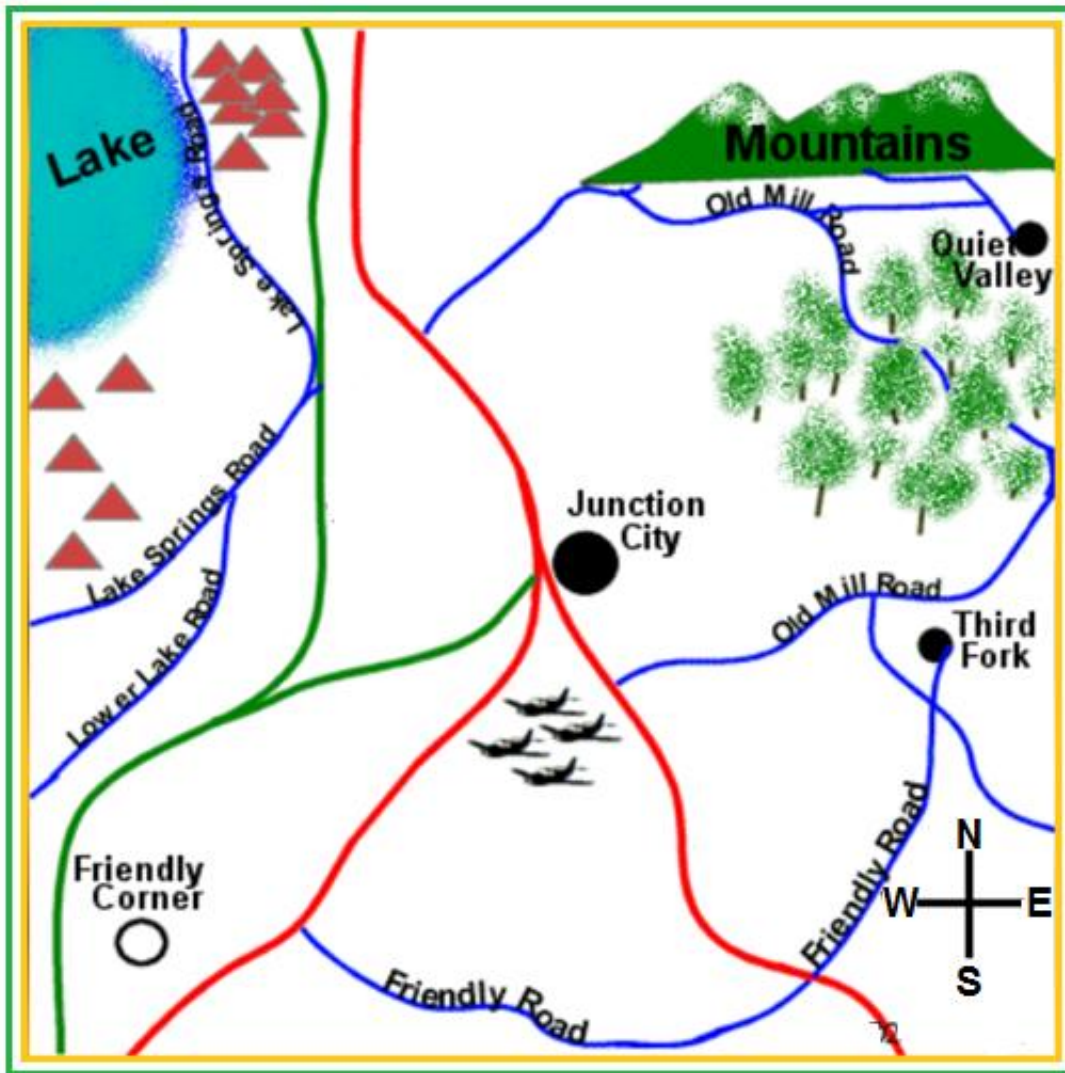
Map Symbols



Learners should know what each of the symbols MEANS and how to USE them.

• WT • R • F

Study the map with its key and answer the following questions.



KEY

 National road

 Main road

 Local road

 Population over 200 000

 Population 50 000 - 100 000

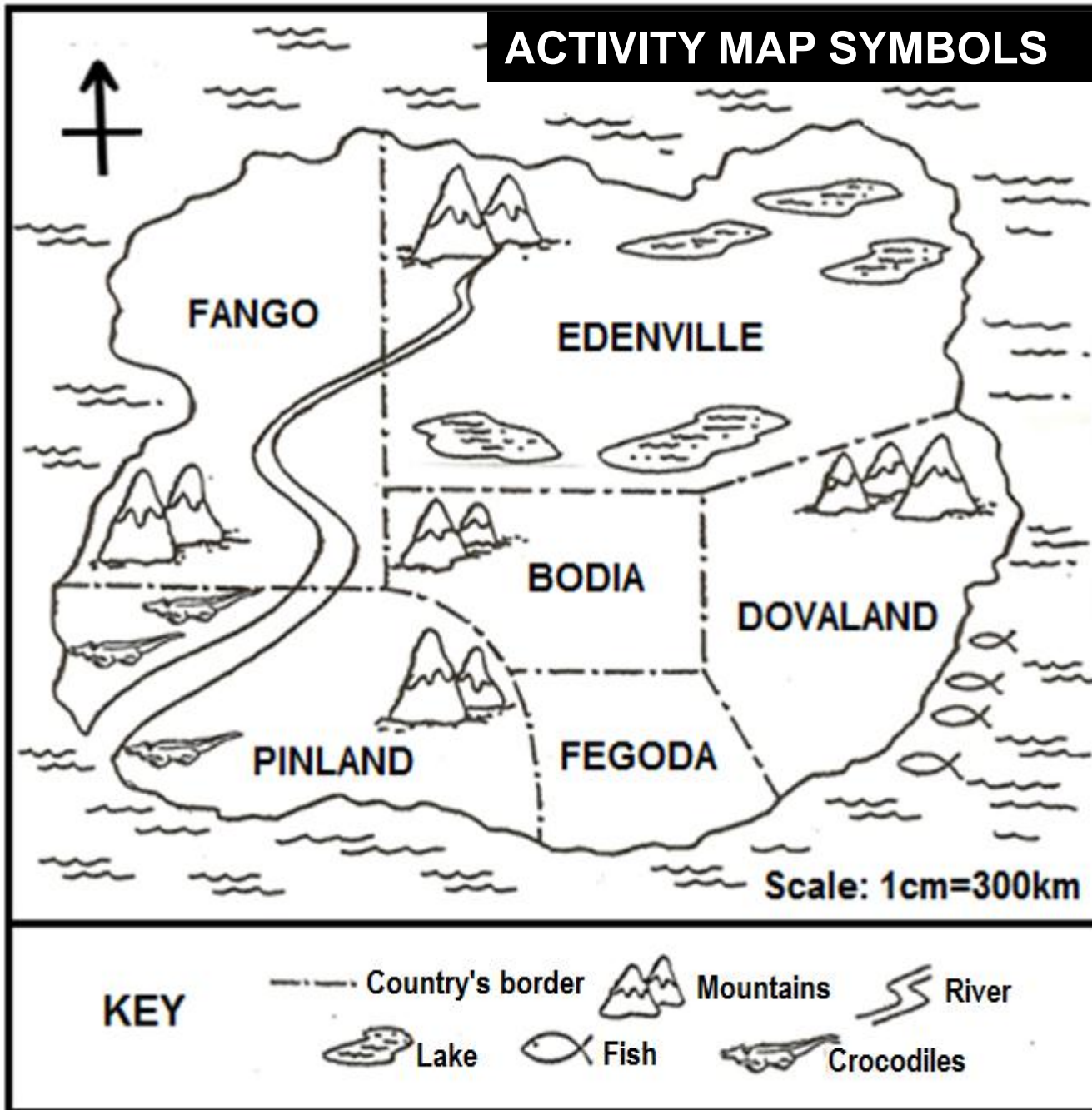
 Population under 10 000

 Camping/Picnic area

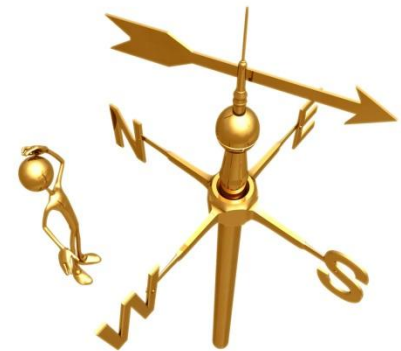
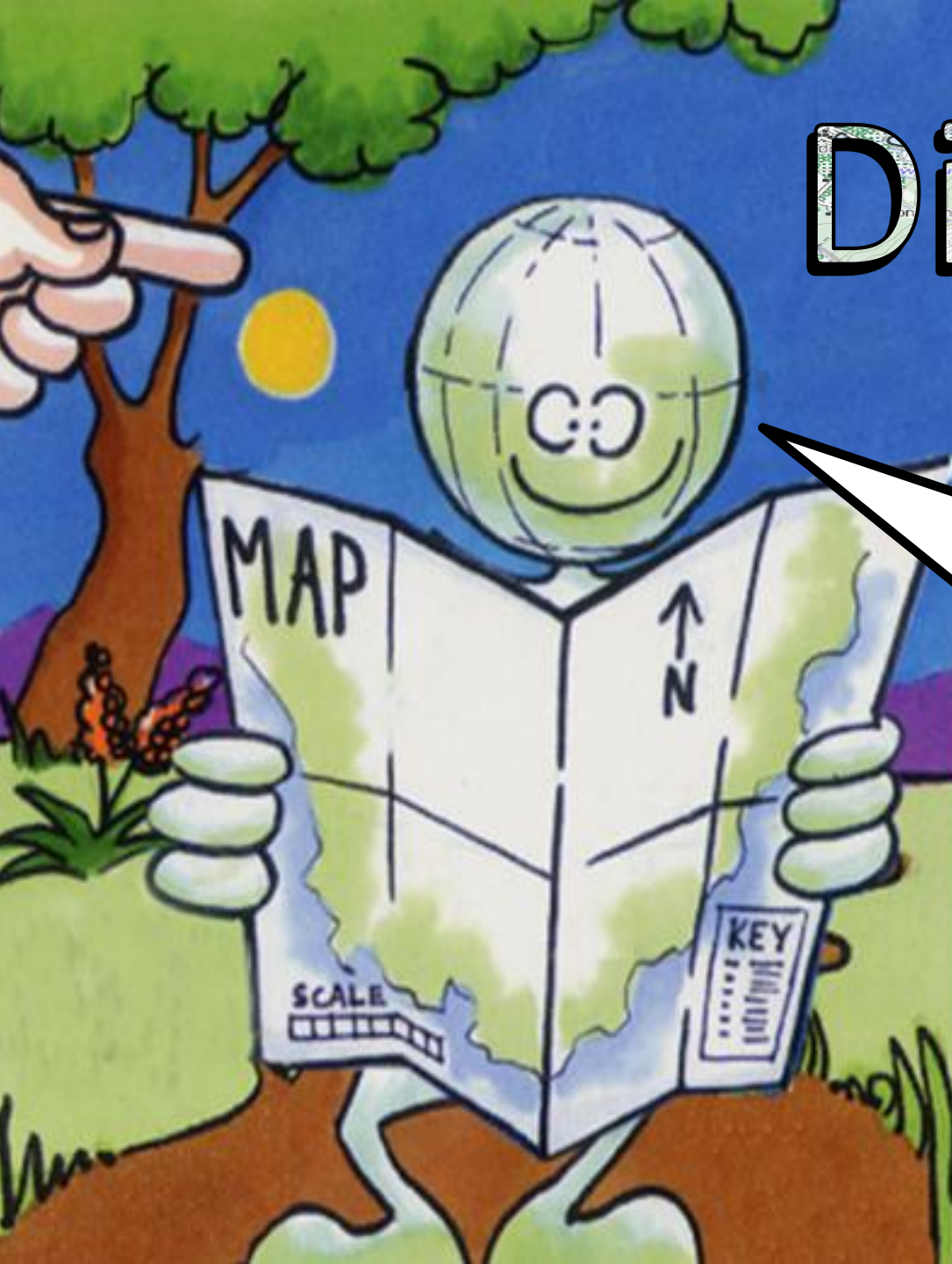
 International Airport



ACTIVITY MAP SYMBOLS

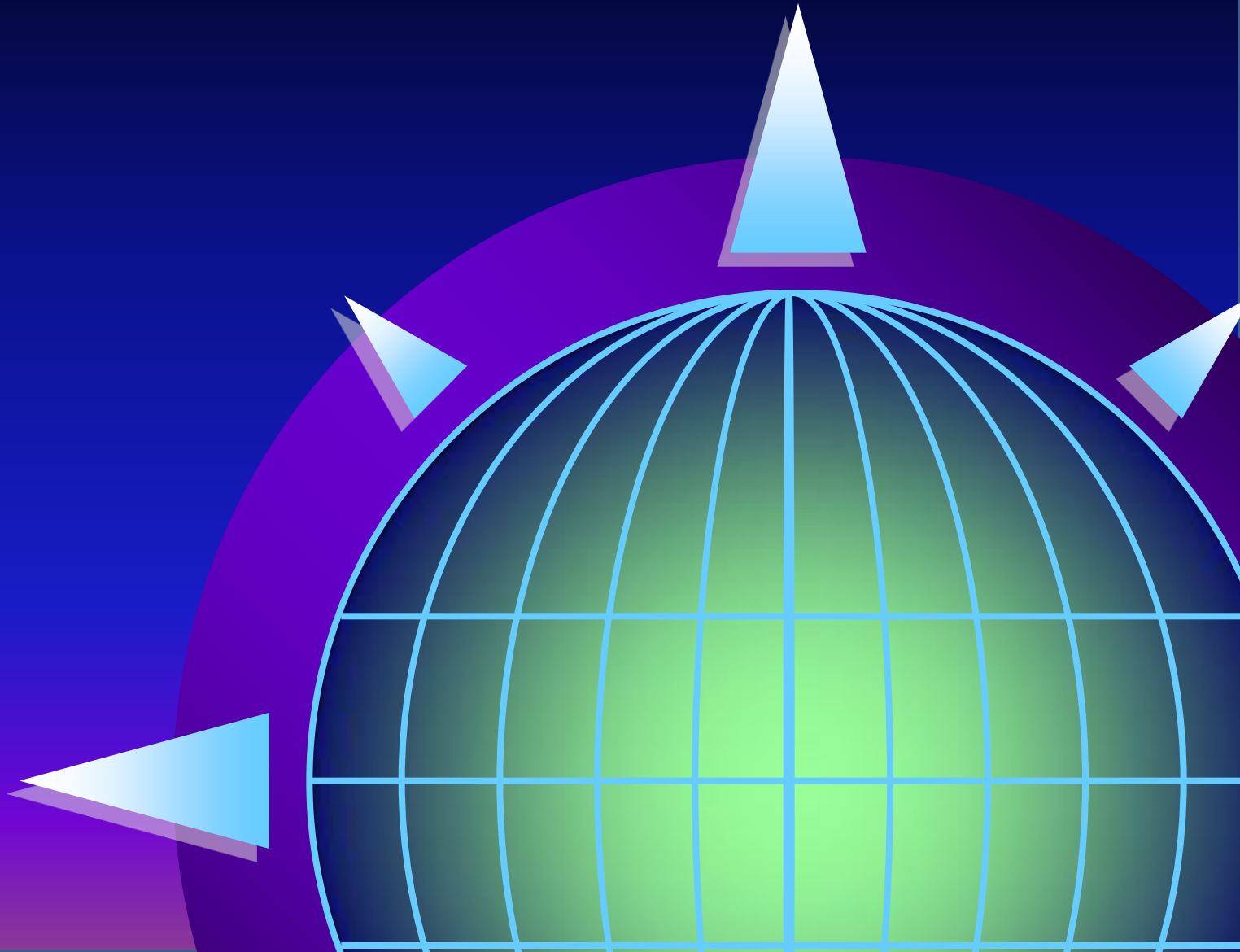


Direction



Where am I?

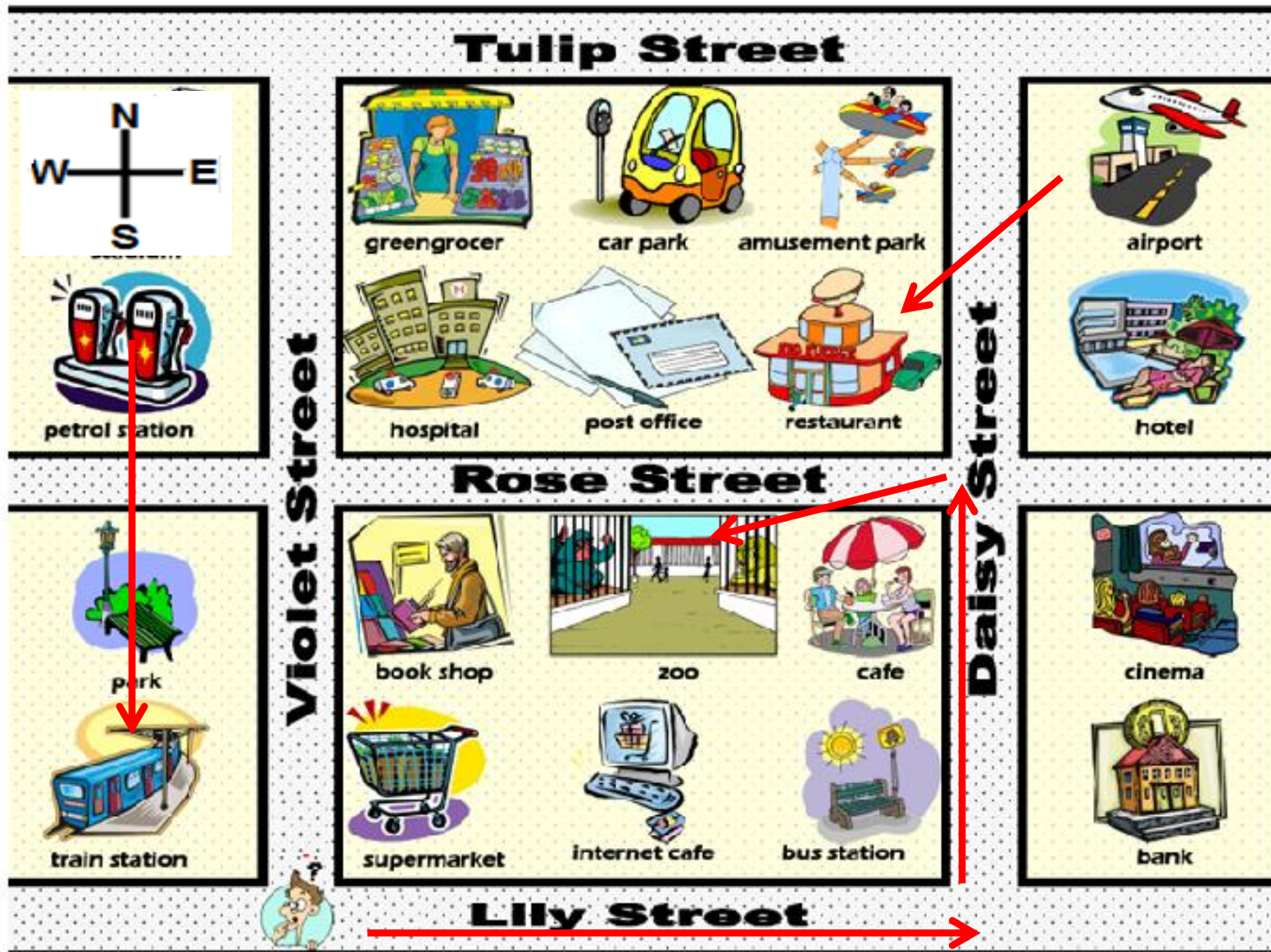
N

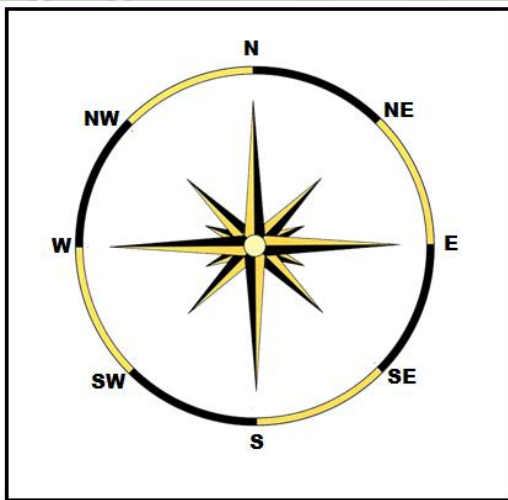


North, South East & West

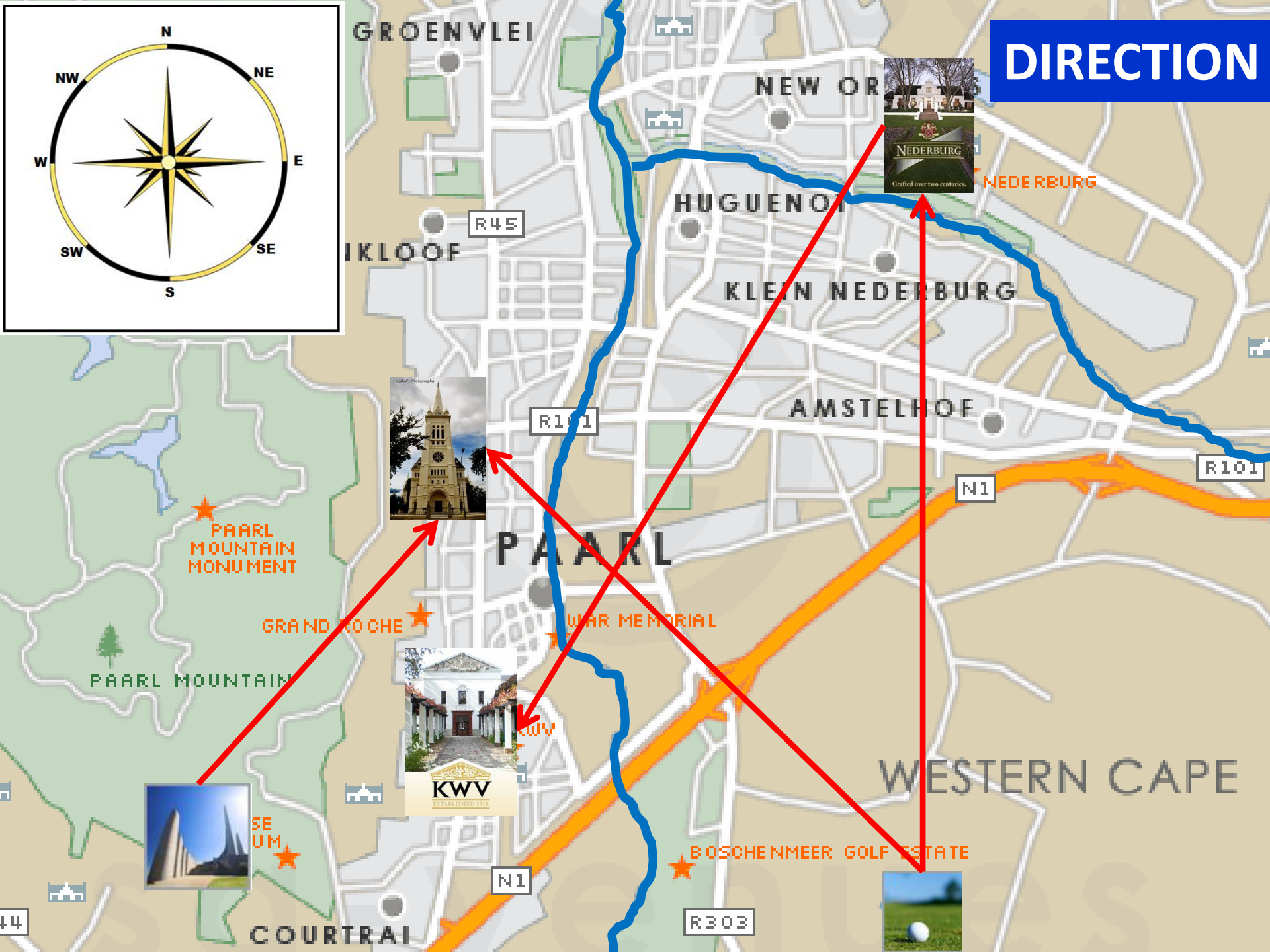


Direction

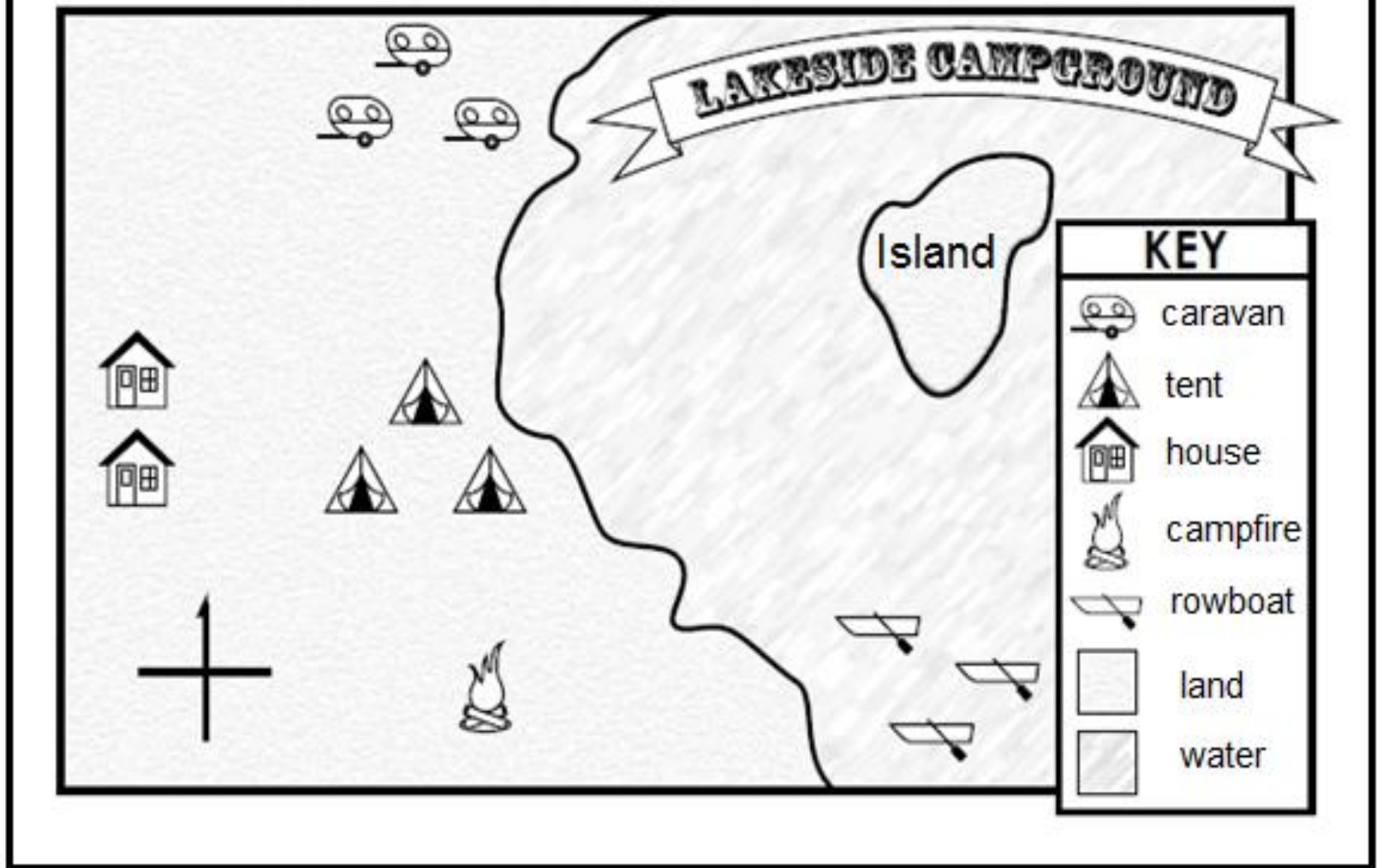




DIRECTION

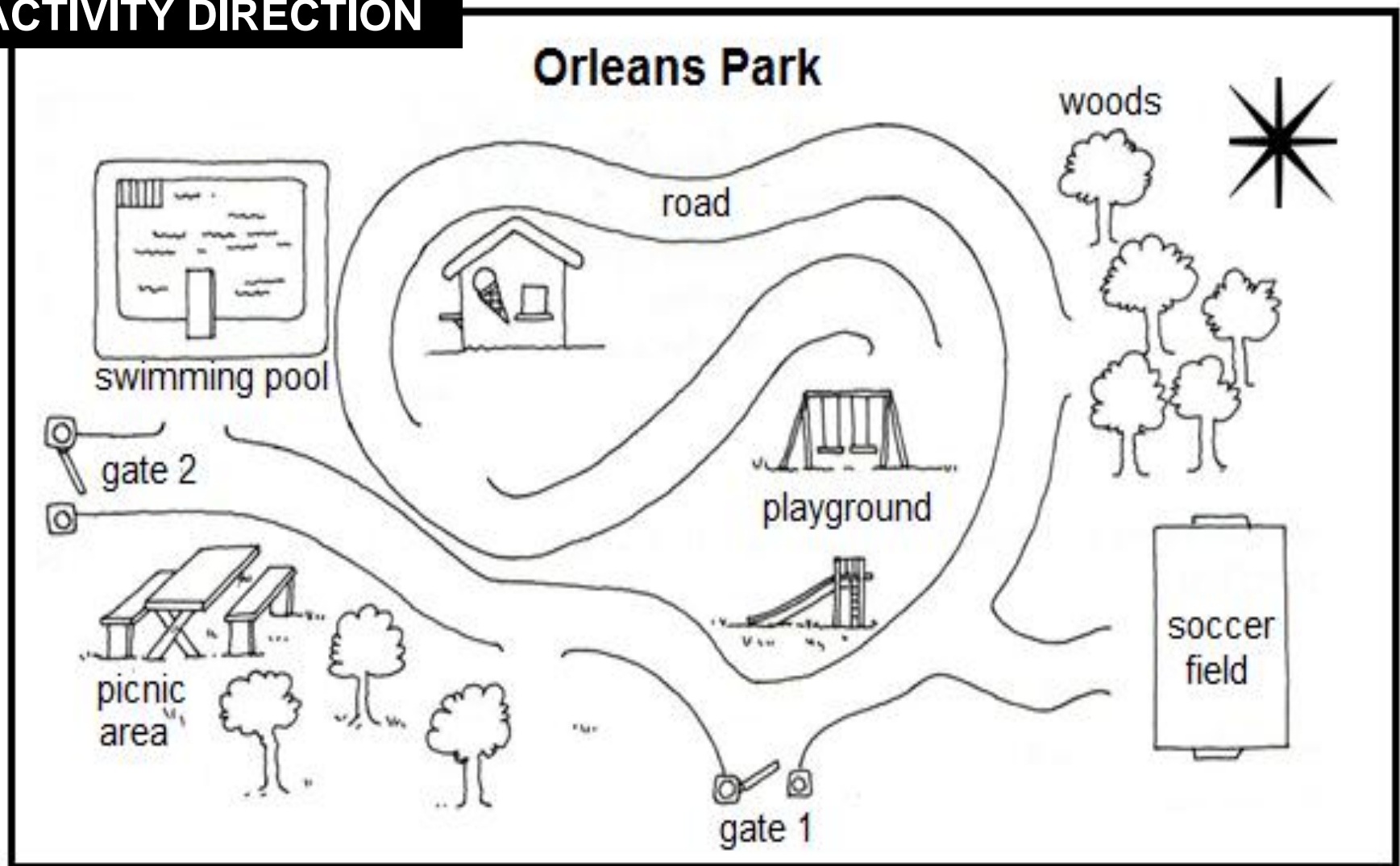


DIRECTION



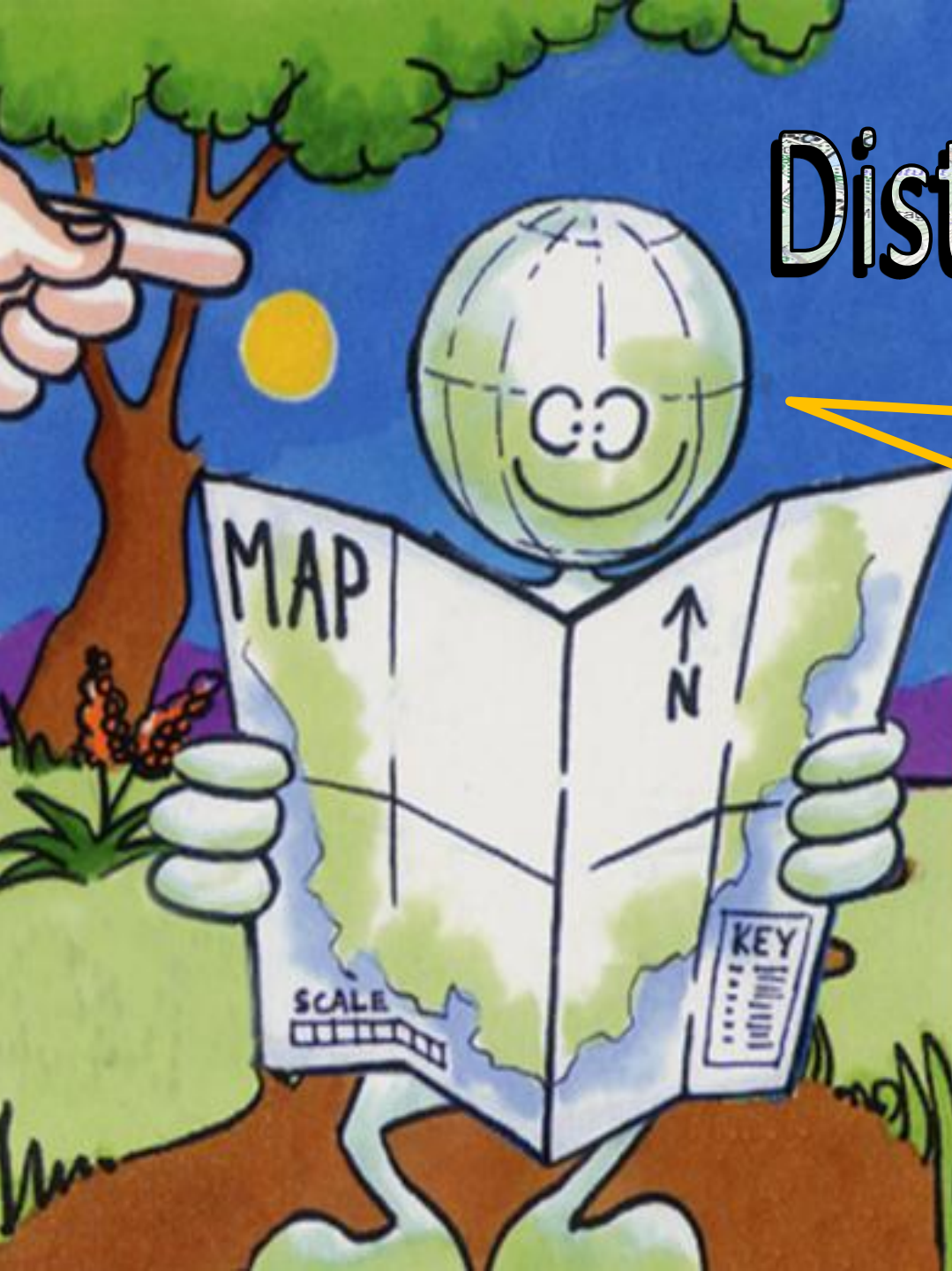
Only N, S, E and W

ACTIVITY DIRECTION



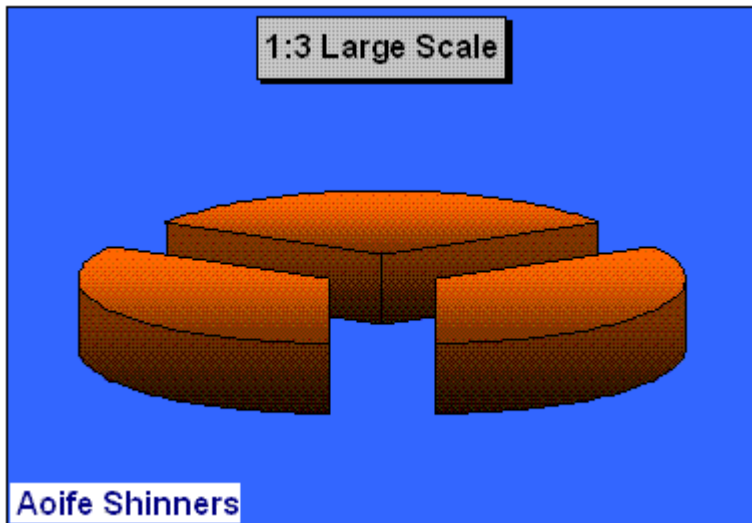
**Directions N, S, E and W
as well as NW, NE, SE and SW**

Distance & scale



The map is much smaller than reality!

Large Scale Vs Small Scale

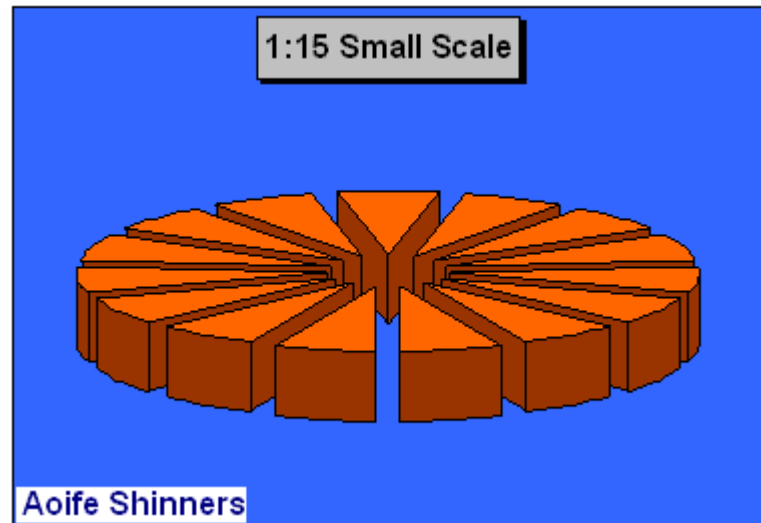


The slice of the first cake represents:

A large slice

A large fraction

A large amount of data and information on a map



The slice of the second cake represents:

A small slice

A small fraction

A small amount of data and information on a map

Types of scale

What is Scale?

Scale is the relationship between the distance on the map and the distance in reality

Ratio Scale

Show the relationship in numbers of distance on the map and distance in reality eg 1:50 000

Fraction Scale

A ratio scale written as a fraction $\frac{1}{50\,000}$

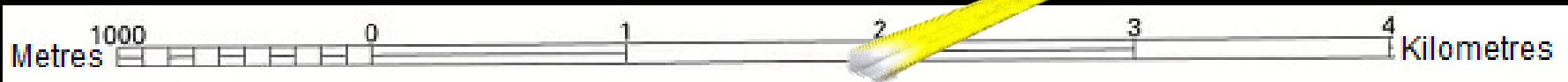
Word Scale

Uses words to describe the relationship of distance on the map and distance in reality:
One cm on the map represents 50 000 cm in reality

Line Scale

Visual representation of scale

Measure accurately!



Give your address to an ET



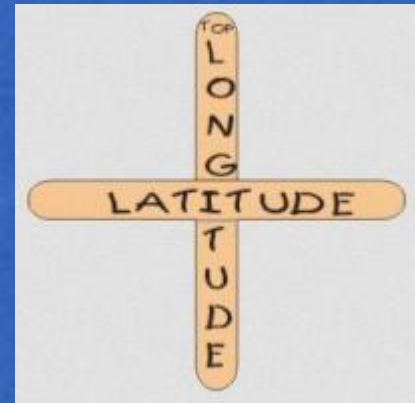
**Glenn Samaai
16 Notre Dame Street
Klein Parys
Paarl
7646
Western Cape
South Africa
Africa
Southern Hemisphere
Earth**

**LARGE
SCALE**



**SMALL
SCALE**

Latitude & Longitude



MOVIES!



	1	2	3	4	5	6	7	8	9	10	11	12	13	14
A														
B														
C														
D														
E														
F														
G														
H														
I														
J														
K														
L														

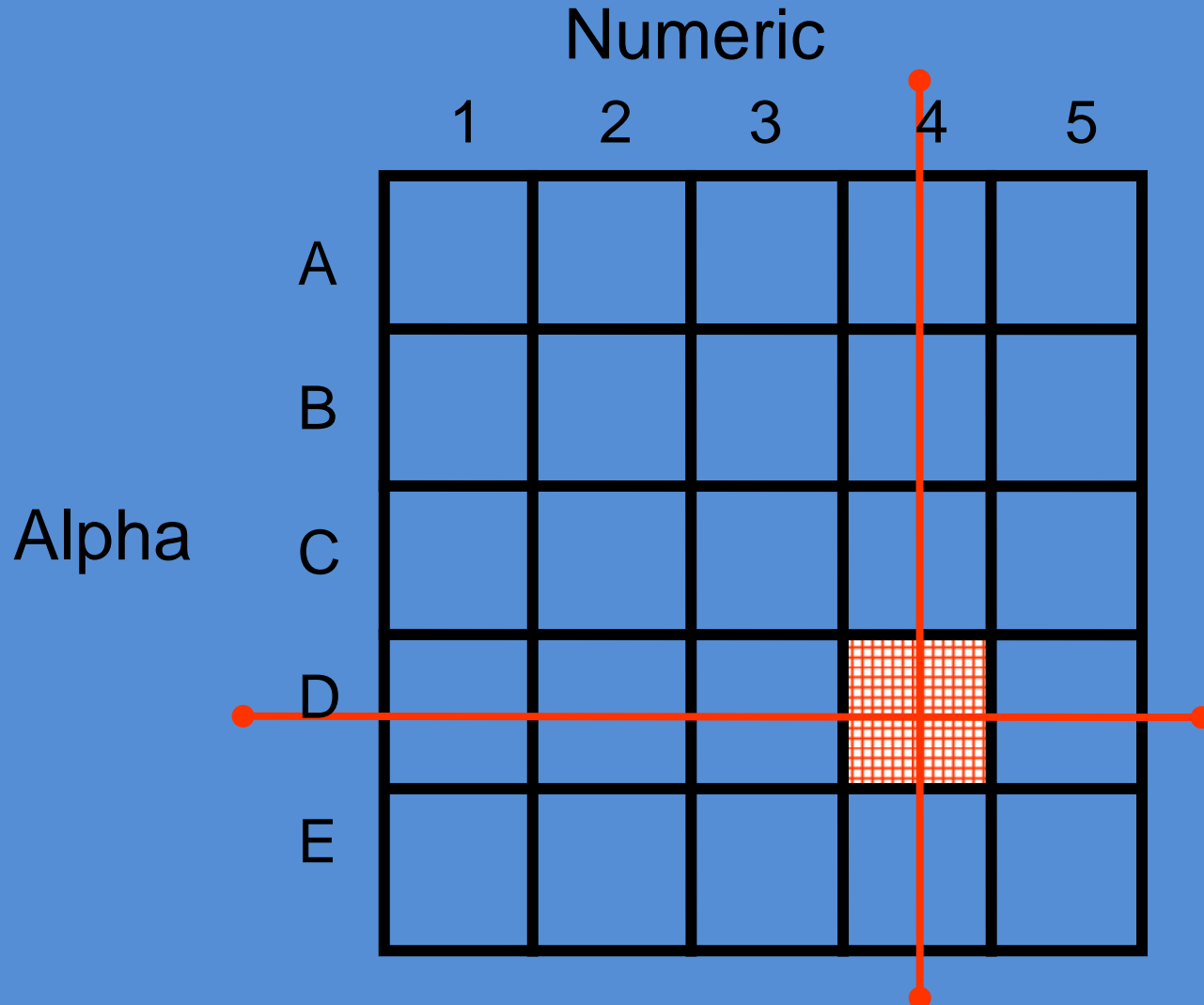
SCREEN

- You sat in seat C11. Show where you sat.
- Your friend sat in seat H4. Show where he sat.
- Give the numbers of the two red seats in row C.
- What is the colour of the seat in row D12?
- Is the seat C10 or E3 closer to the screen?
- Would you like to sit in seat A1, D7 or L14. Give a reason for your answer.

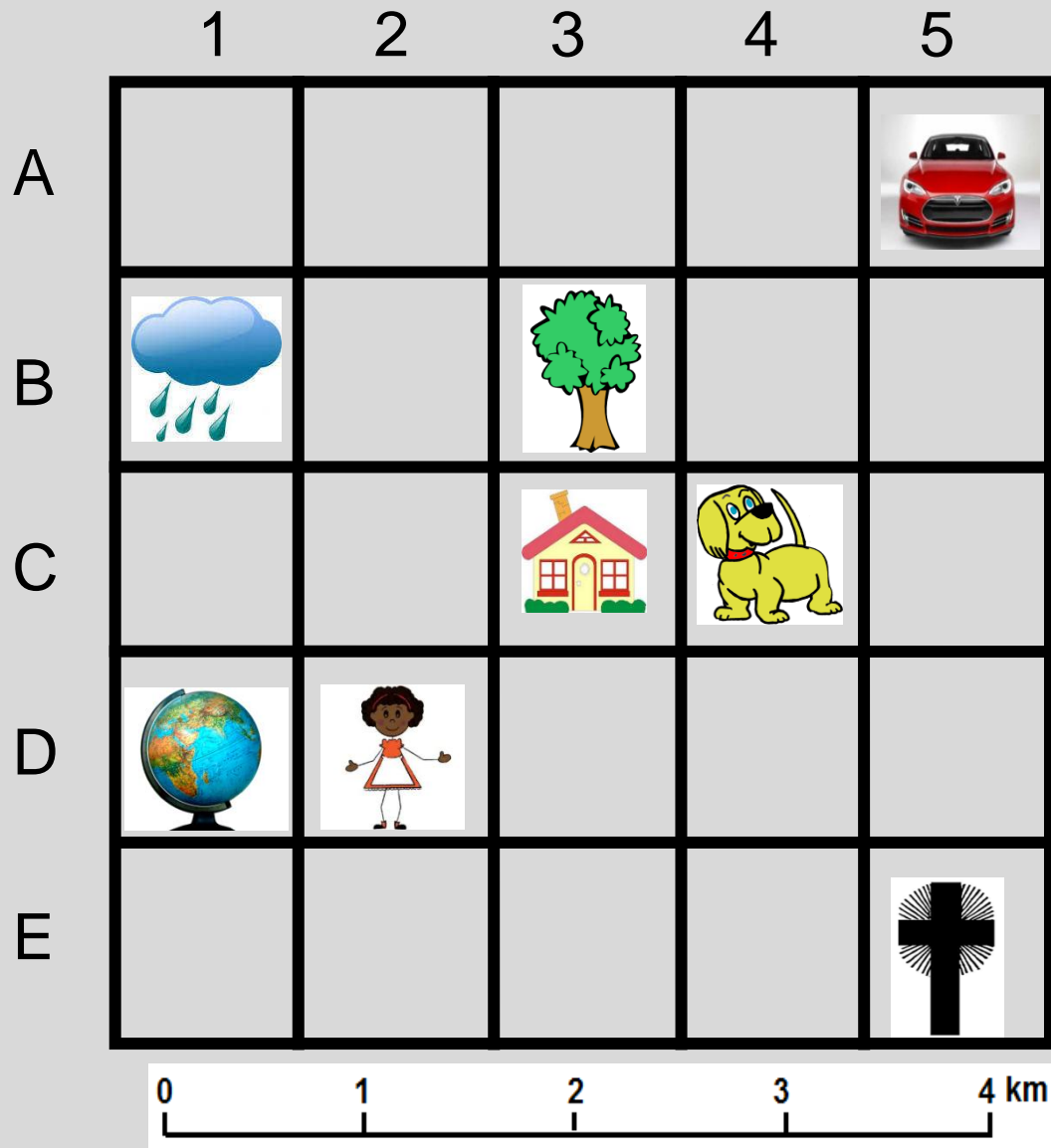


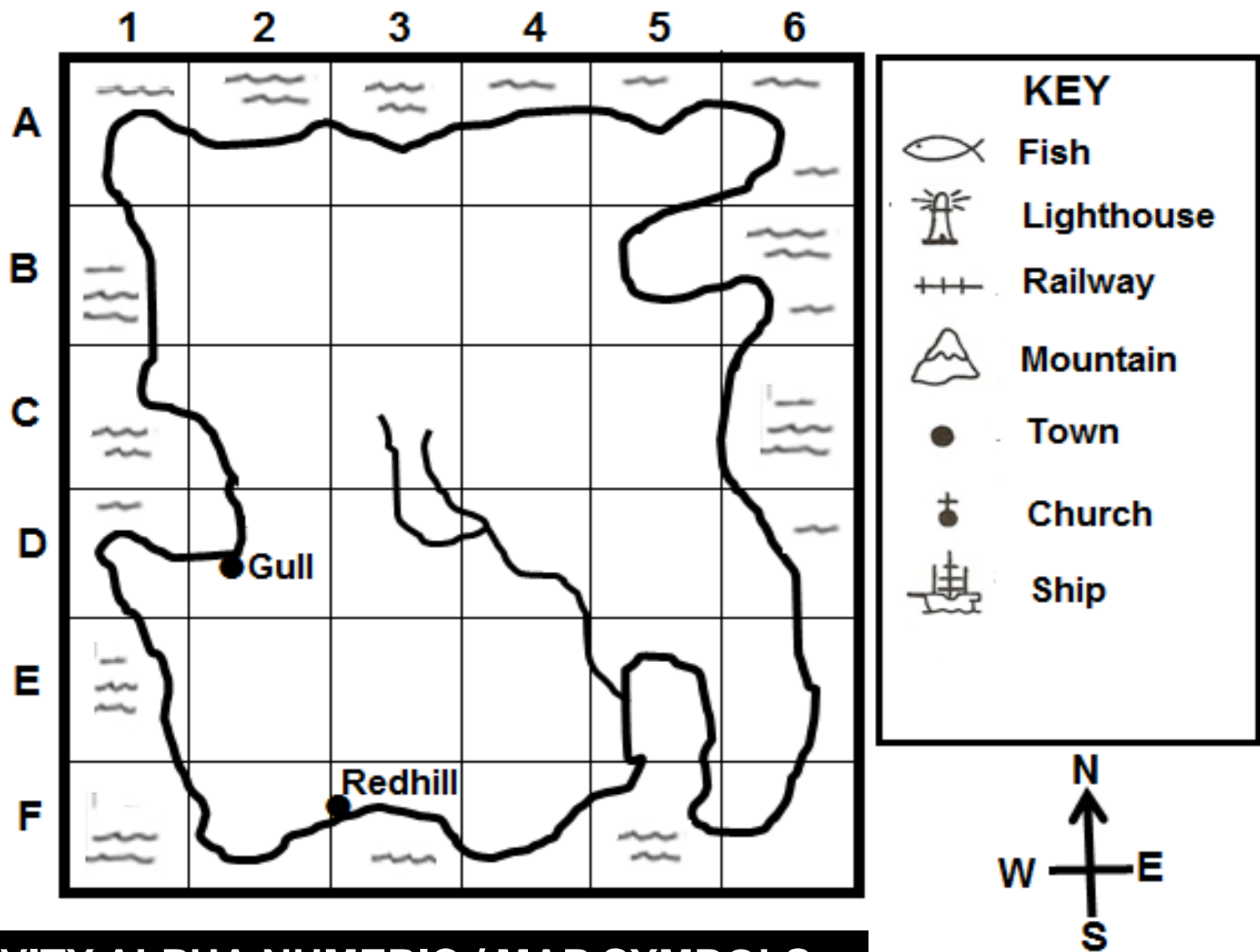
Alpha Numeric grid

D4

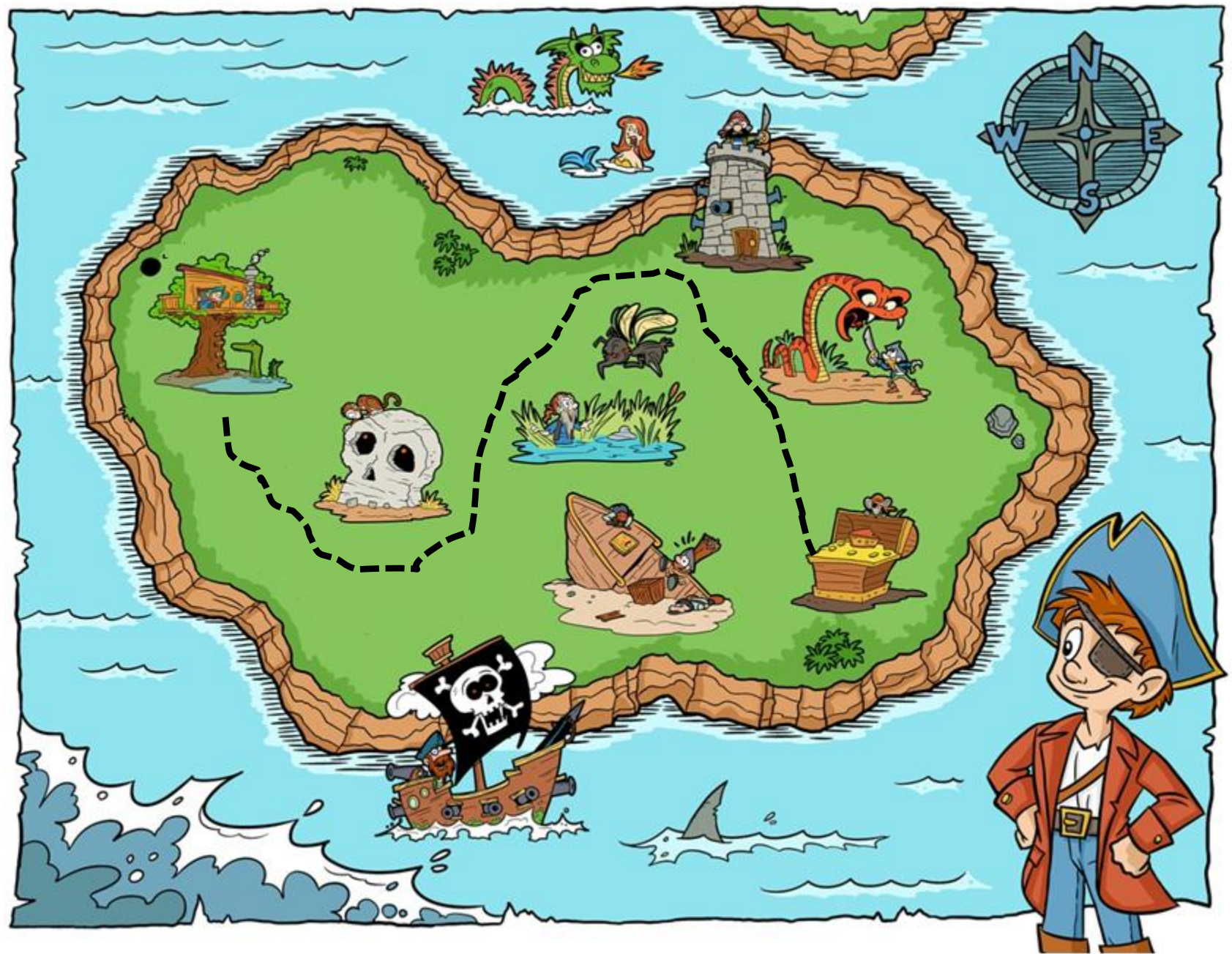


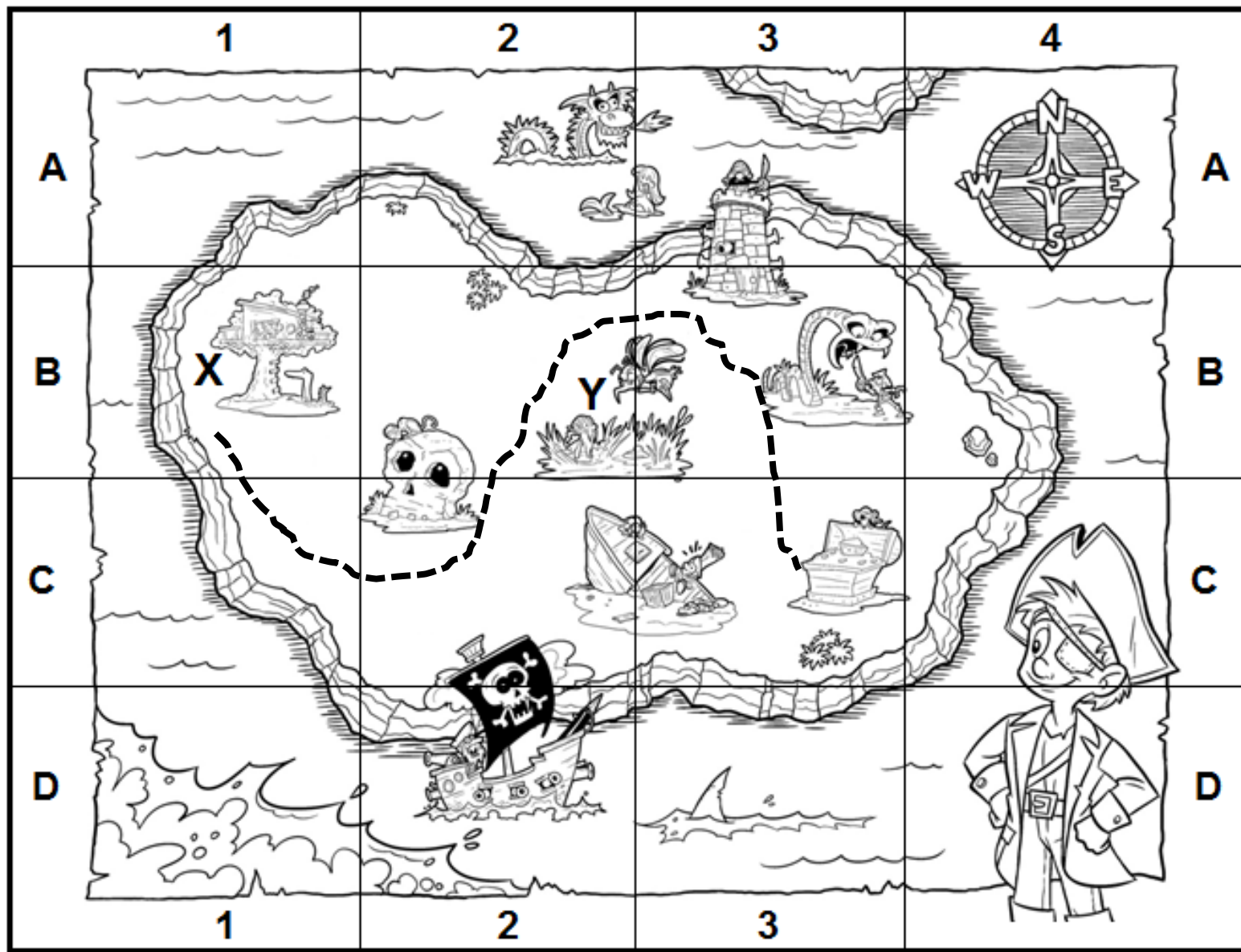
Informal assessment



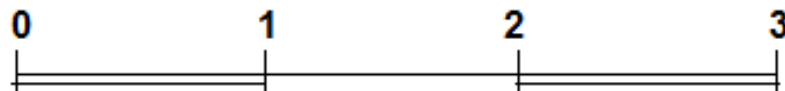


ACTIVITY ALPHA NUMERIC / MAP SYMBOLS

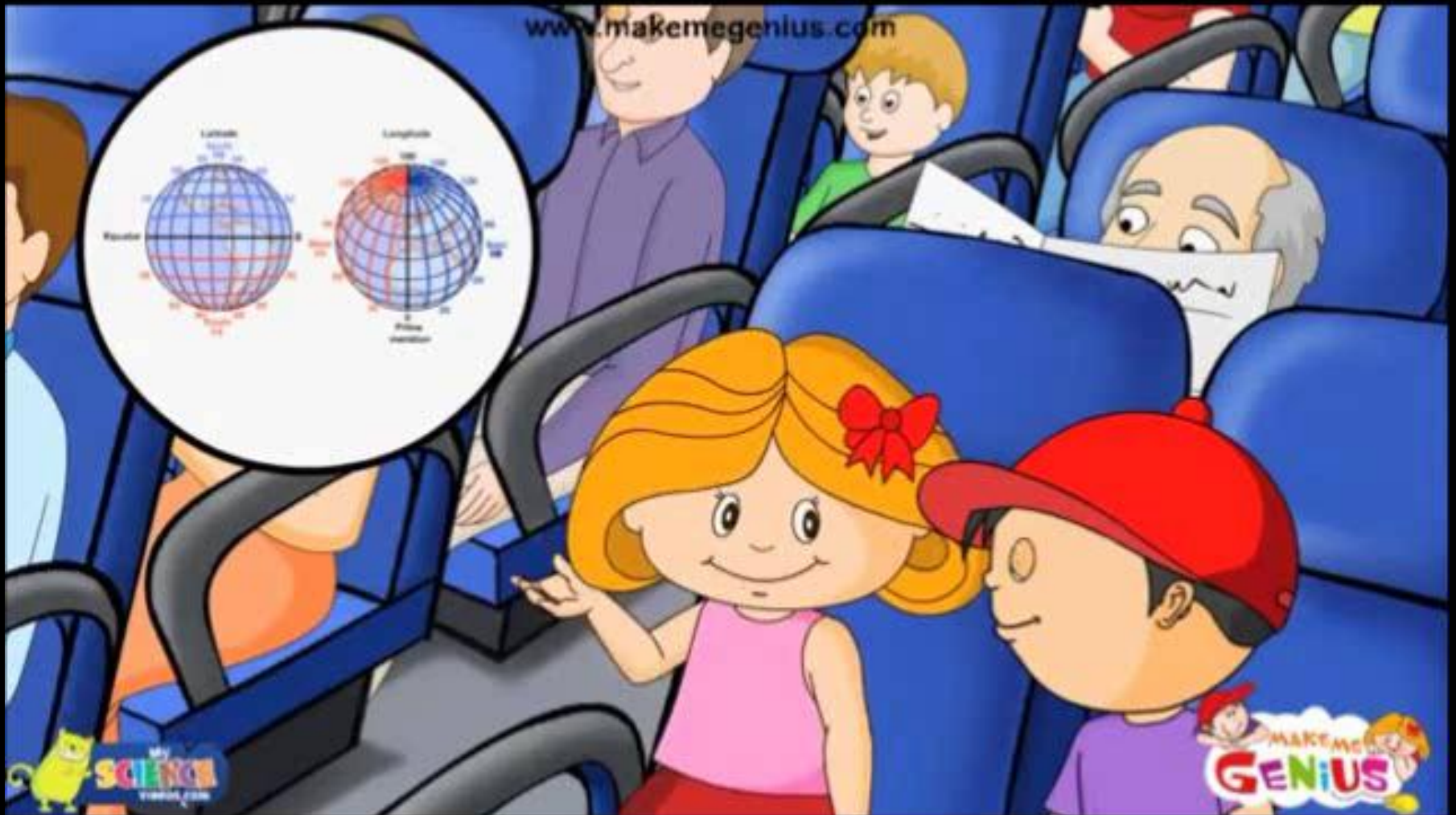
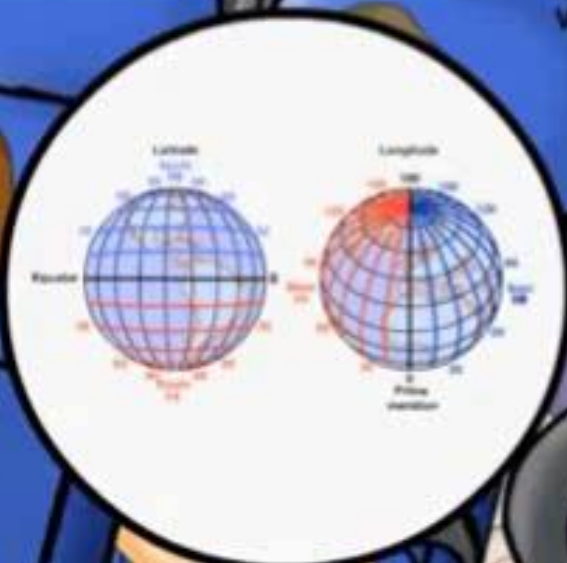




ACTIVITY ALPHA NUMERIC



www.makemegenius.com



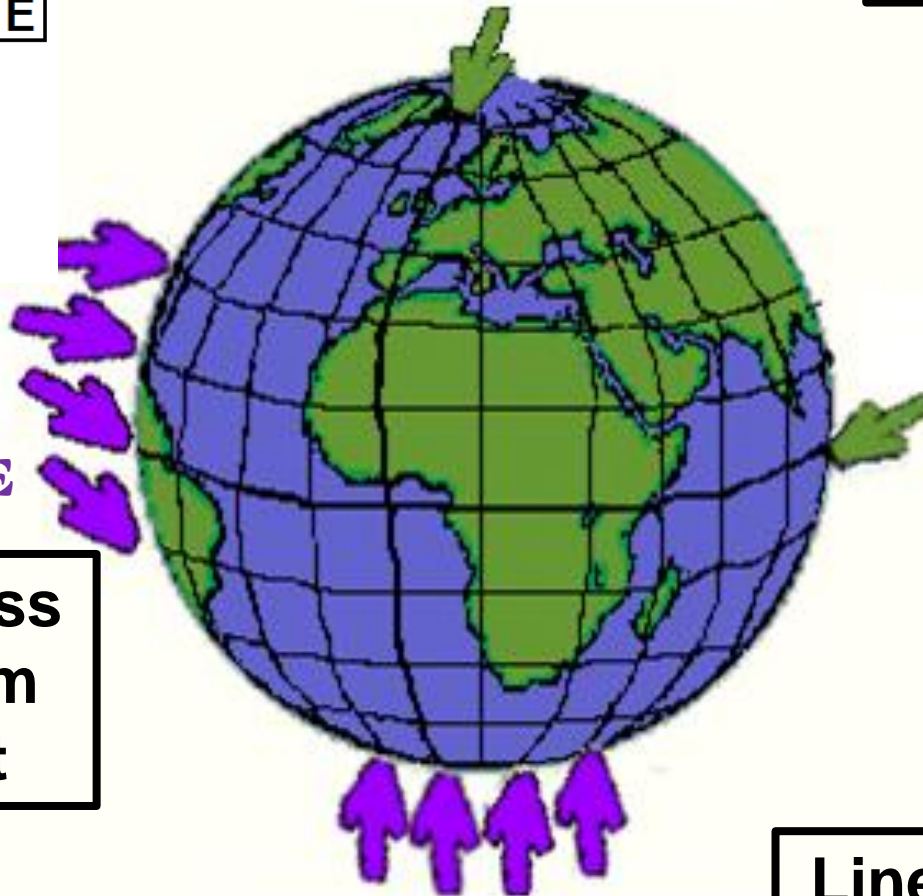
LONG
LATITUDE
TITUDE

**GREENWICH
MERIDIAN**

Found at 0°
longitude

**LINES
OF
LATITUDE**

Lines that cross
the globe from
East to West



EQUATOR

Found at 0°
latitude

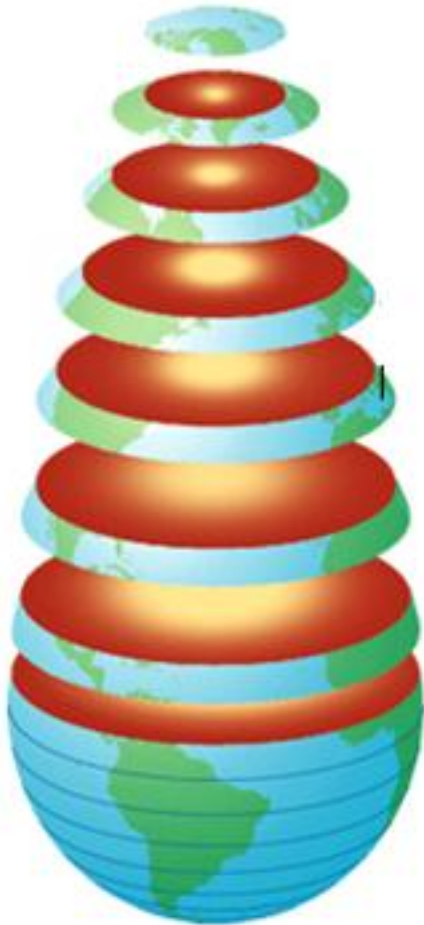
**LINES OF
LONGITUDE**

Lines that cross
the globe from
North to South

L
O
N
G
I
T
U
D
E

Lines that cross
the globe from
East to West

L
A
T
I
T
U
D
E



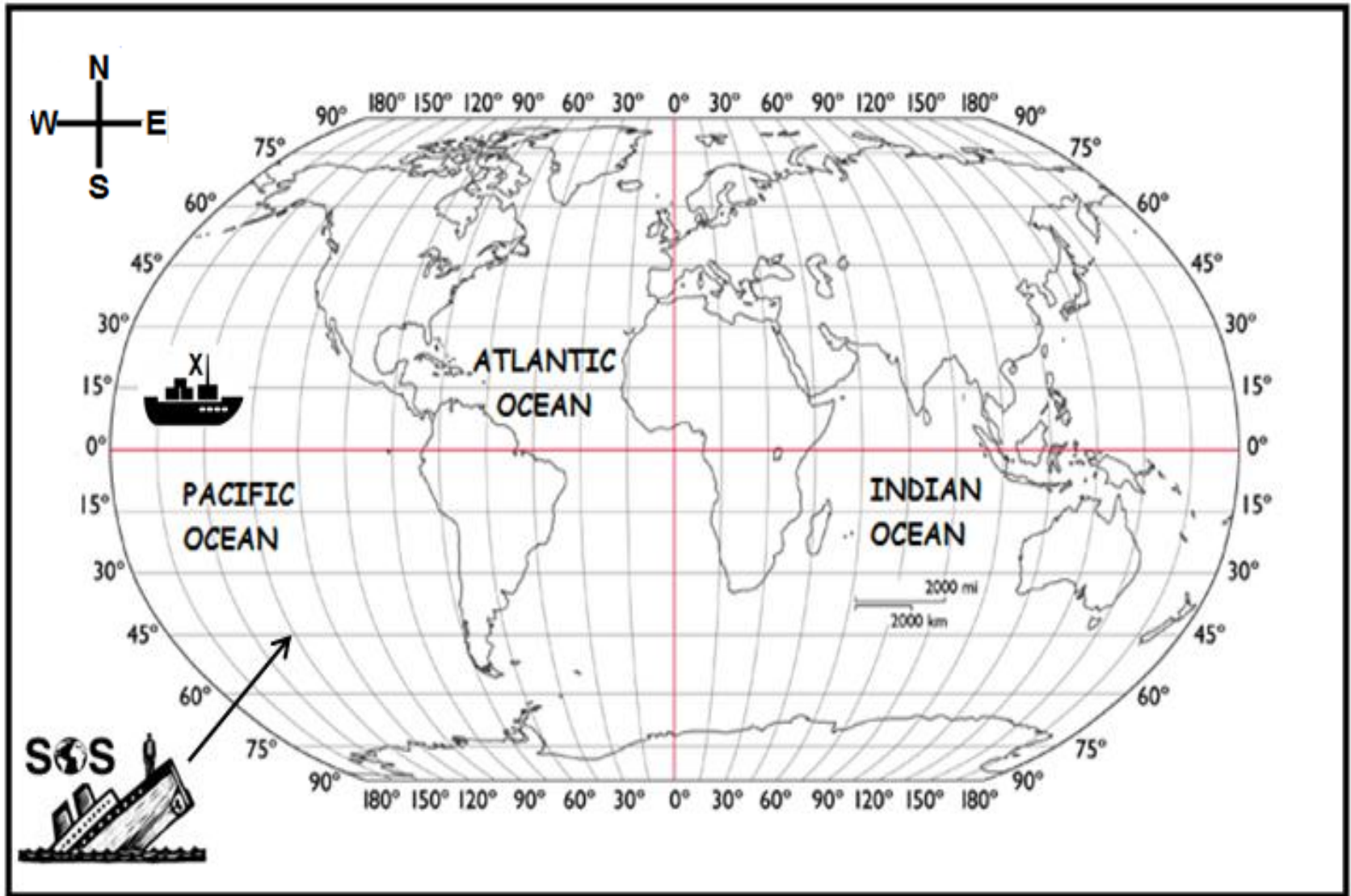
L
A
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D
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L
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U
D
E

Lines that cross
the globe from
North to South



Latitude and Longitude - Activity



Street maps

How can street maps be used?



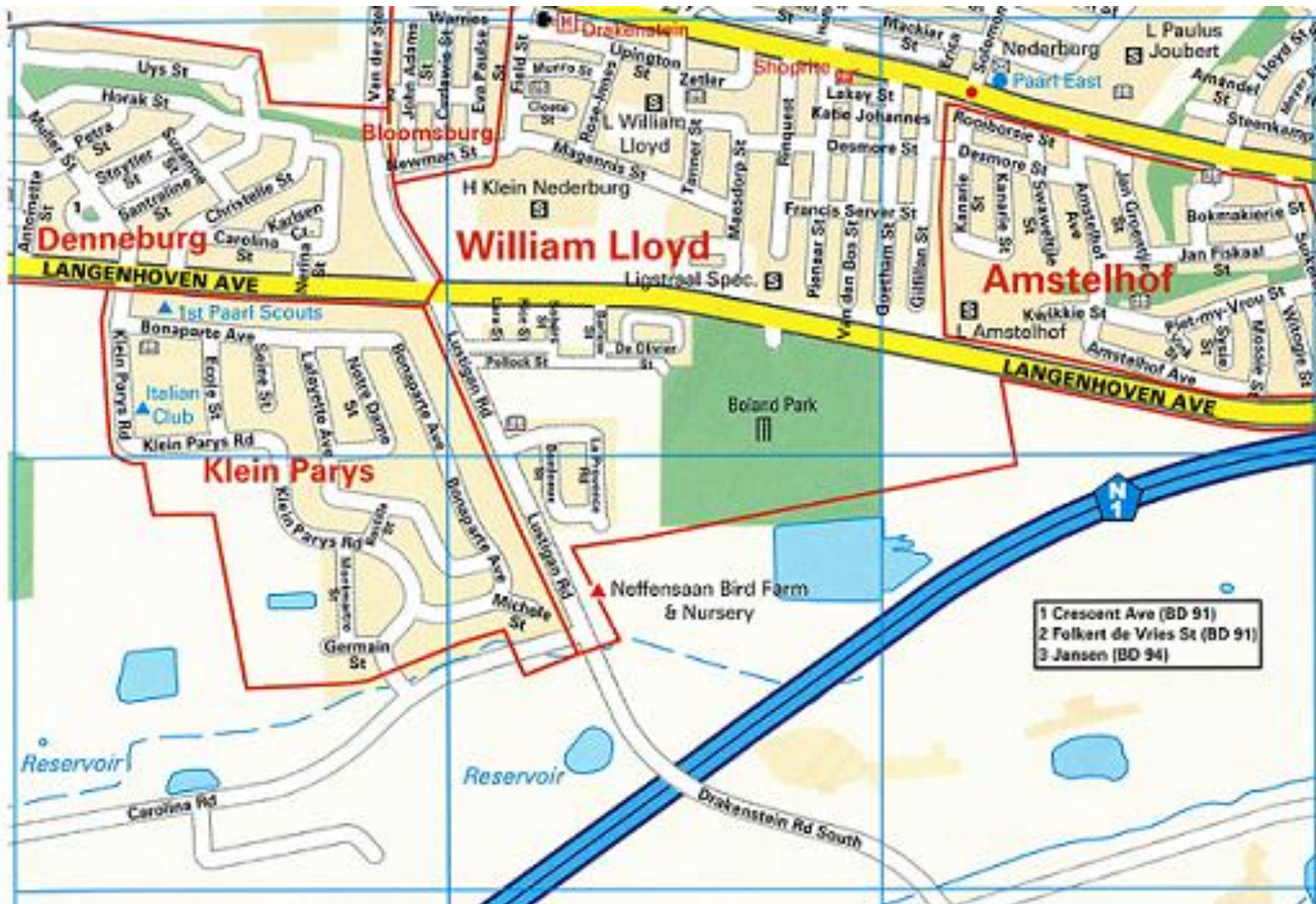
1

2

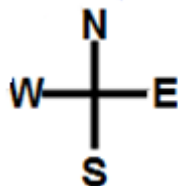
3

A

B

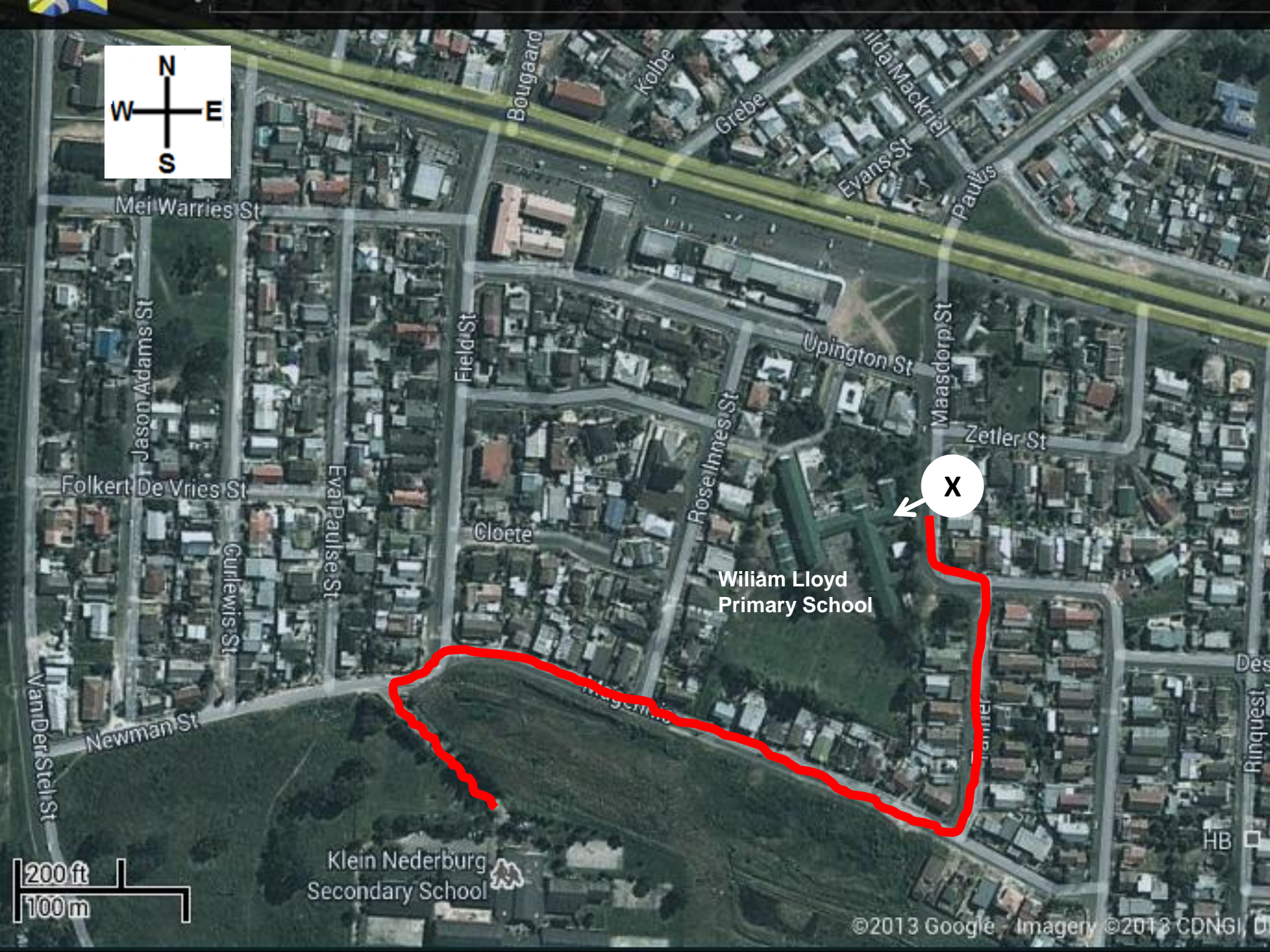
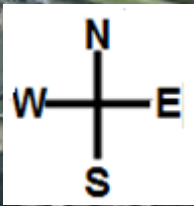


STREET MAPS



Satellite Street Map





Mei Warries St

Bougaard

Kolbe

Grebe

Evans St

Pauls

Jason Adams St

Folkert De Vries St

Gurlewis St

Eva Paulse St

Field St

Cloete

RoselInnes St

Upington St

Maasdorp St

Zetler St

William Lloyd
Primary School

X

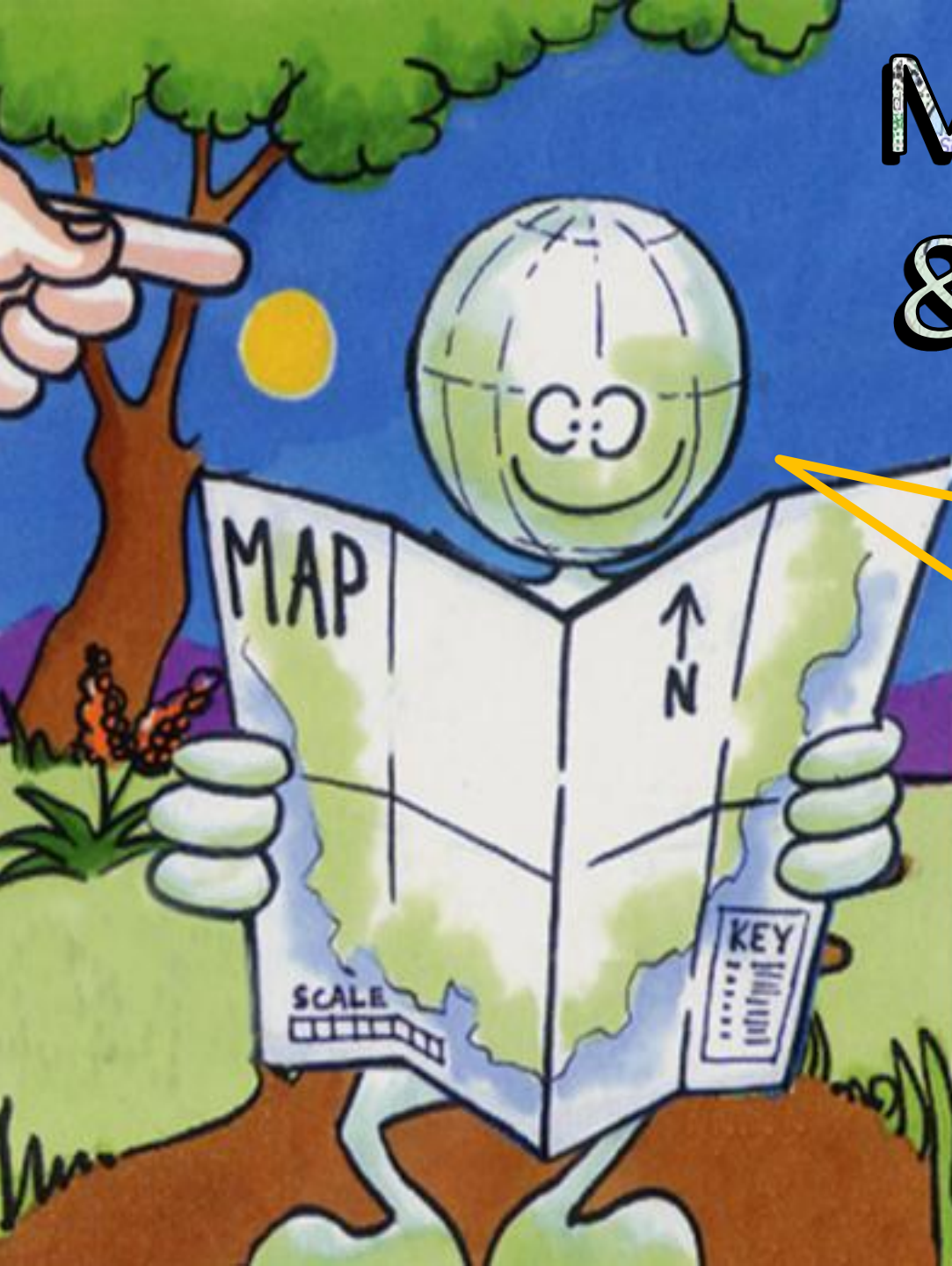
VanDerStel St

Newman St

Klein Nederburg
Secondary School



Map skills & content



How can the
content of the
Geography syllabus
be applied on
maps?



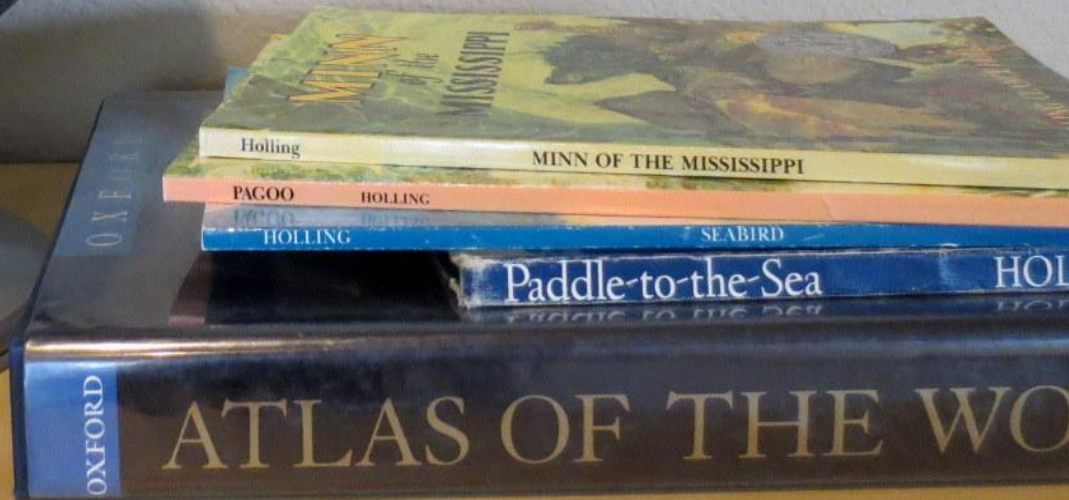
Every lesson

is a

MAPWORK
lesson



INTERNATIONAL MAP YEAR 2015-2016



Using atlases when teaching content





Atlases should not only be used in map work but also during CONTENT lessons.

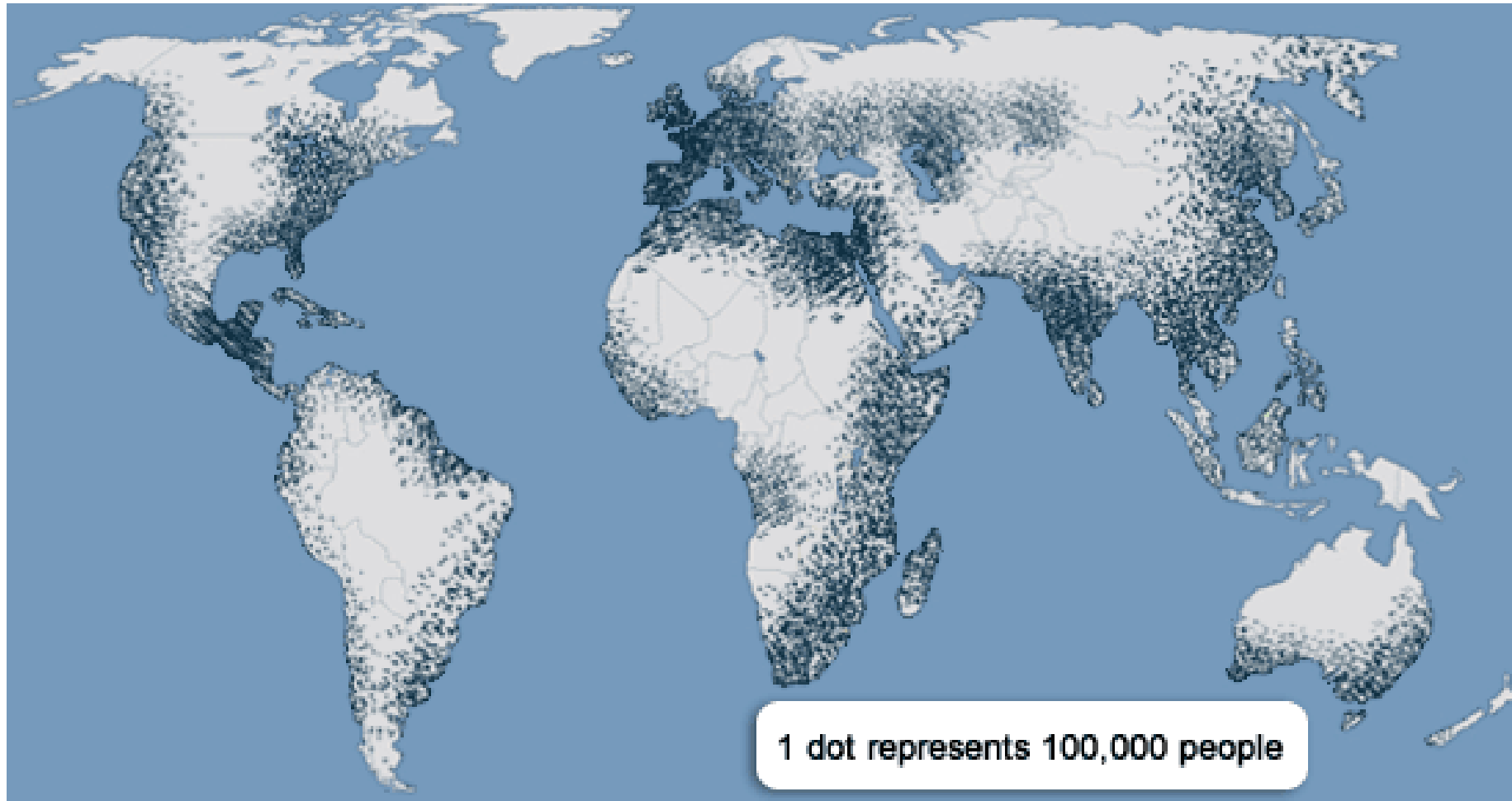
EXAMPLE: GRADE 6 SYLLABUS

TOPIC	UNIT	PAGE
Map Work	Use atlas in ALL units	4-15
Trade	<ul style="list-style-type: none">• Trade with other countries• Goods export and import	27
Climate and vegetation	<ul style="list-style-type: none">• World climate regions• World natural vegetation	46-47
Population	<ul style="list-style-type: none">• Population growth	28-29

Always look for a suitable map to integrate Geography skills with content

Every GEOGRAPHY lesson is a MAP WORK lesson

Grade 6 – Why people live where they do



Satellite photo of earth at night

**Lights show
where
people live**



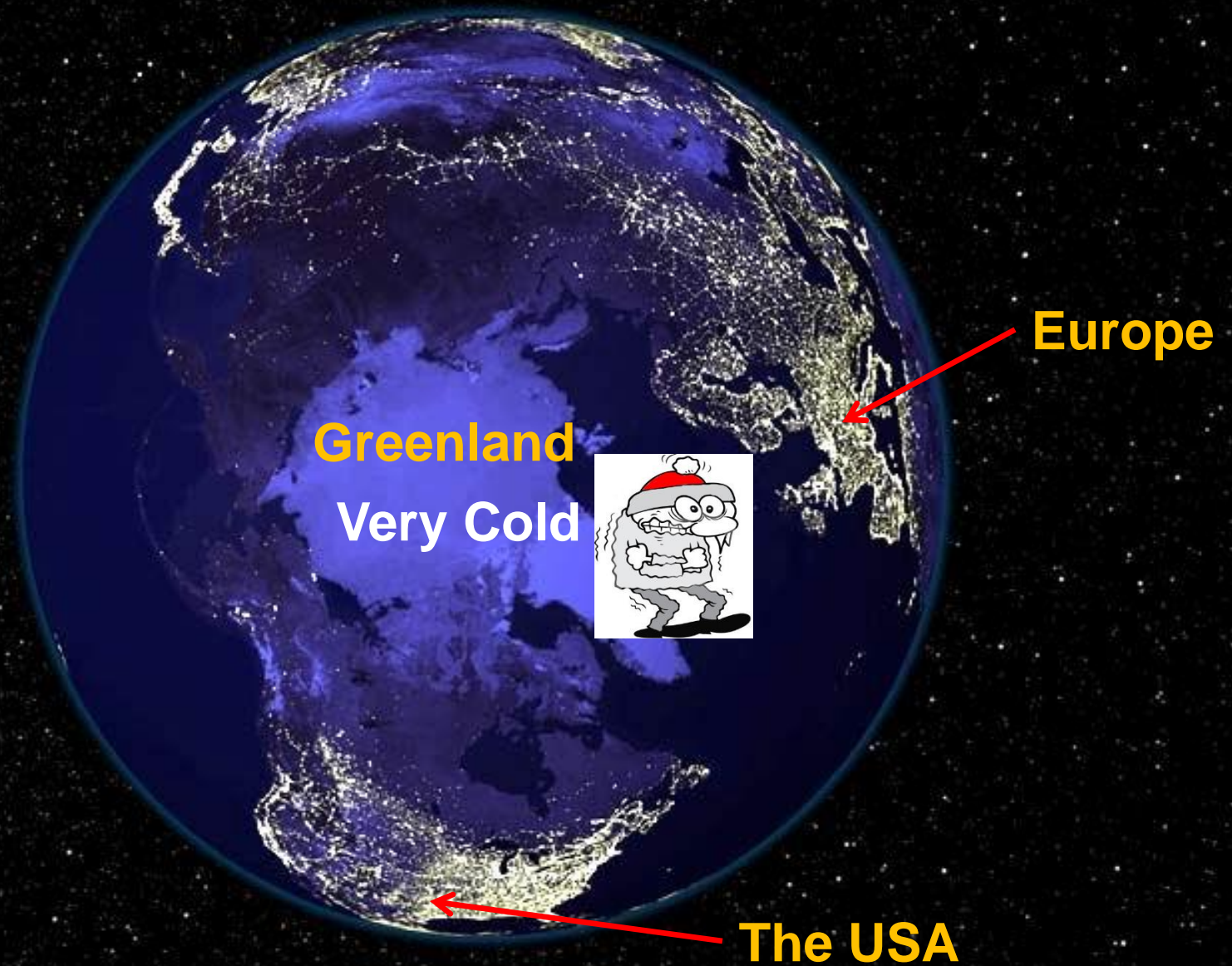
Why do people live in certain places?

Lights

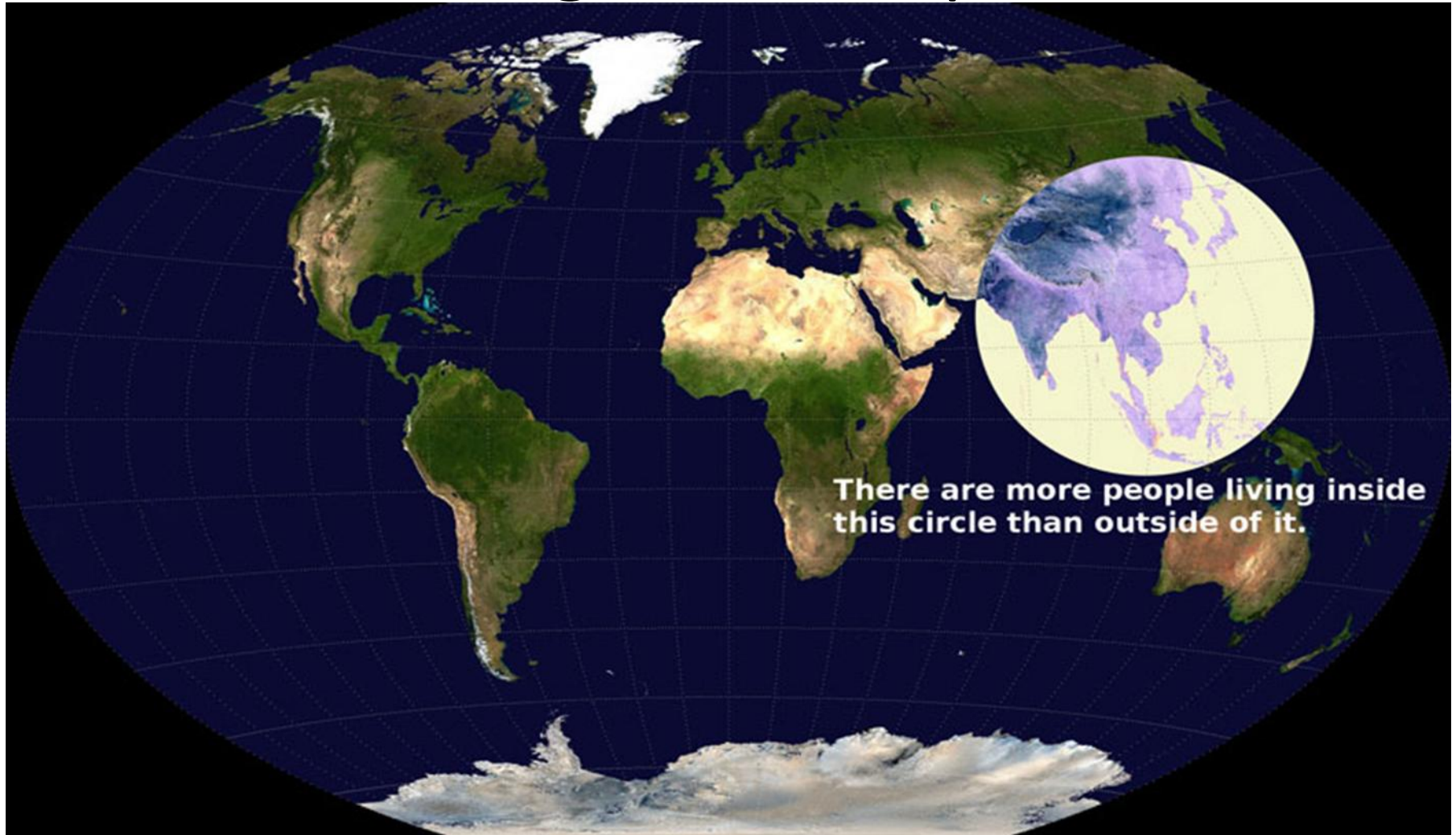
SAHARA
DESERT



Why are there so few lights in Greenland?



Visualizing Global Population



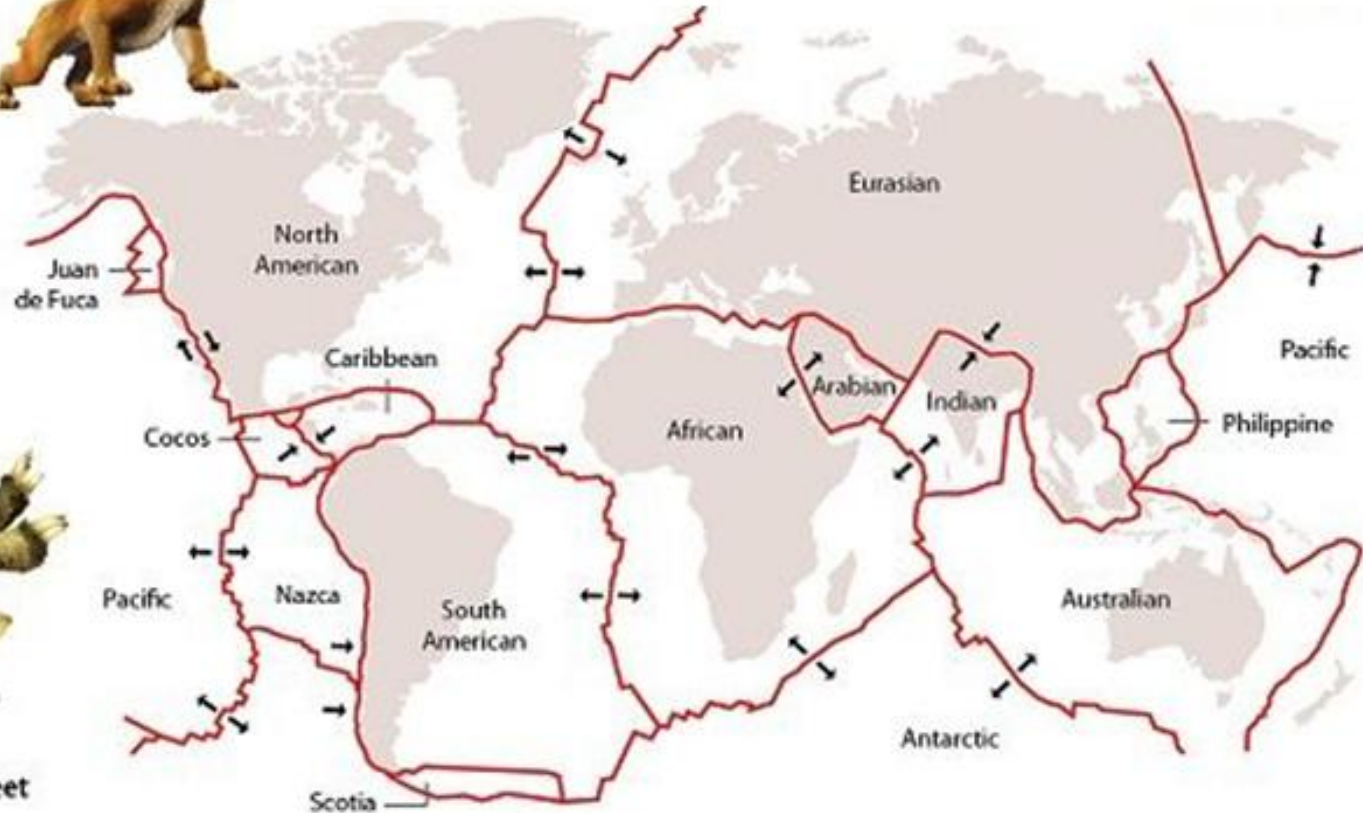
Map by [valeriepieris on Reddit](#)

Scrat's
**CONTINENTAL
CRACK-UP**

PLATE TECTONICS

The plates

Earth's outermost layer is fragmented into plates that are moving relative to one another as they sit on top of the hot, semifluid material beneath them.



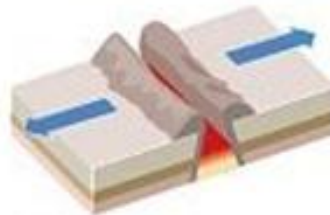
Where plates meet

There are four types of plate boundaries.



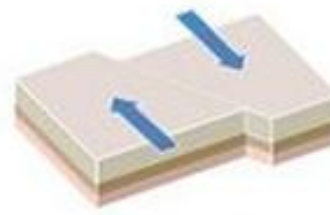
1. Convergent boundary

Occurs where two plates slowly slide towards each other, usually forming a subduction zone



2. Divergent boundary

Occurs where plates are moving apart, as magma pushes up from the mantle, creating new crust

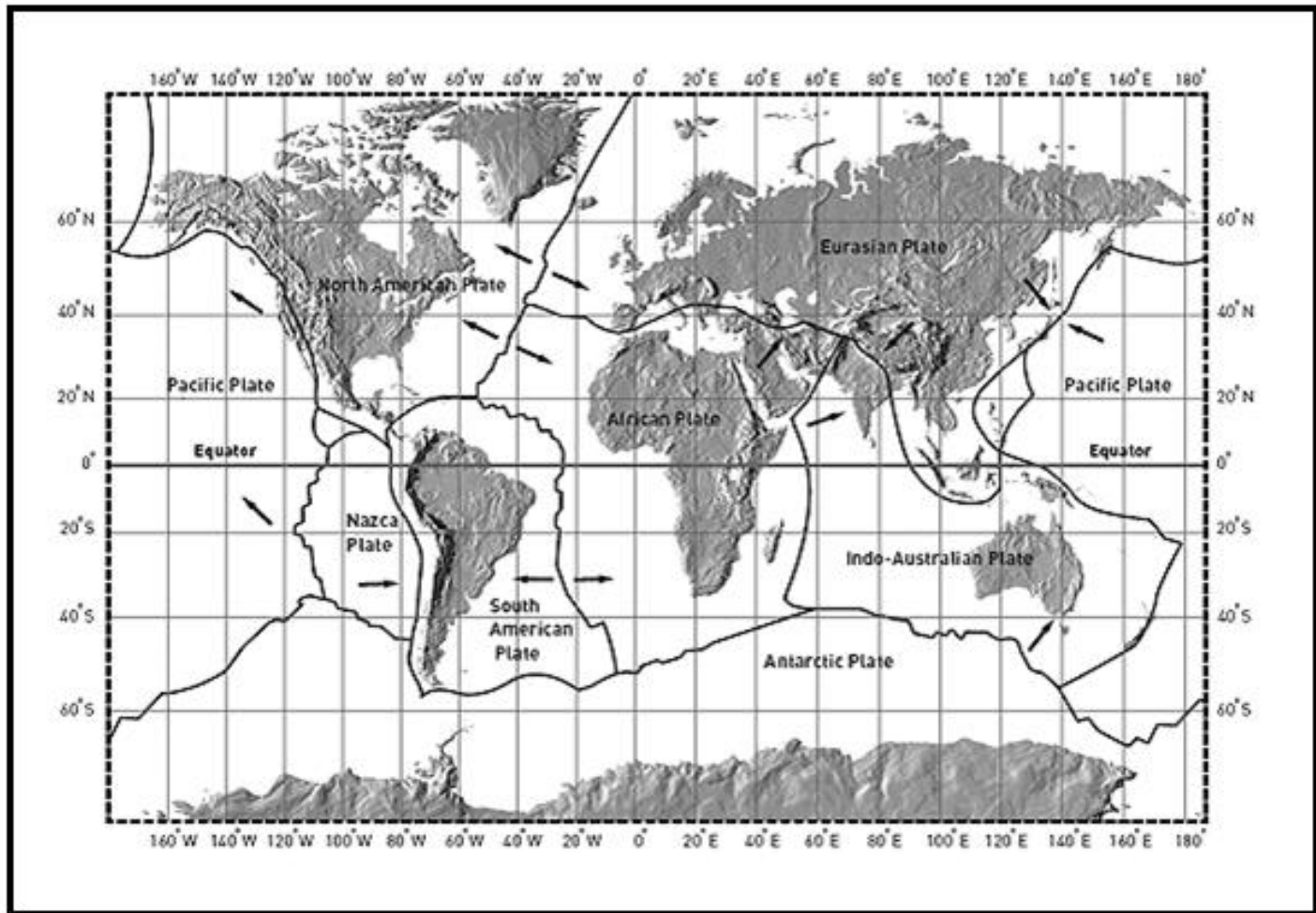


3. Convergent boundary

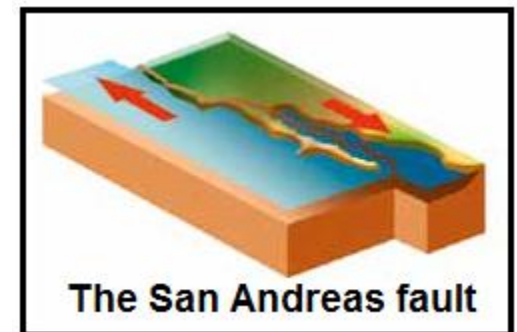
Occurs where plates slide or grind past each other



GRADE 7



1. Name the plate found at 30° S, 100° W .
2. In what directions do the following plates move
 - (a) South American Plate
 - (b) African Plate
3. Give the grid reference of the plate boundary in the diagram.



Assessing Geography ...



How can it
be managed?

What
is it?

Where is
it?

Why is it
there?

What
is the
impact
on the
environ-
ment

What
does it
look like?

Questions

Geographers ask

