WALT: Identify and describe the human features of Europe in relation to population Understand that	WALT: identify and locate the primary rivers in Europe Understand that a river	WALT: locate Europe's major mountain ranges Know the location of	WALT: describe the physical features of European mountains and	WALT: describe the physical process of weathering.
features of Europe in relation to population	in Europe		European mountains and	1 0 1
relation to population	1	.Know the location of	l '	weathering.
' '	Understand that a river	Know the location of		11 00001 00 0 0 0 0
Understand that	Understand that a river		mountain ranges.	
Understand that		some of Europe's major		Know that weathering is
	is a large natural stream	mountain ranges:	Know that the top of the	a natural process not
population is the people	of water flowing into a	 Pyrenees 		caused by humans.
or animals that live in	sea, lake or another	Alps		
an area.	riwer:	 Scottish 		Understand that
Know that Europe is the 3rd largest continent by population and makes up	Know that there are 5 primary rivers.	Highlands Know Europe has many mountain ranges:	Know that the bottom of the mountain is called the base/foot.	weathering is where rocks and minerals are broken down by nature into smaller pieces.
world's population. Know the 3 largest	locate Volga, Danube, Rhine, Elbe and Loire rivers in their respective	Know the highest mountain in Europe is Mount Elbrus in Russia	Know that how high and how tall a mountain is are two different things.	Understand that the weather (which includes, wind, ice, rain and snow)
•		The highest peak in the	Understand that how tall mountains are is a	causes weathering. Know how each different
and biggest island in Europe.	where a river begins.	Alps is Mont Blanc	measure from base to summit.	kind of weather causes weathering (e.g. ice being
Understand that the UK is the 3 rd largest country by population in Europe	Know the sources of the 5 primary rivers. Know that Europe has		Understand that how high mountains are is a measure from sea level to summit	less dense than water, so expanding and causing cracks etc.)
Russia being higher. Know that population is concentrated into large cities such as London,	numerous other rivers that are important such as the Thames, Seine and Rhone.		Know that some very tall mountains aren't very high because a lot of the base is under the ocean	There are two types of weathering: mechanical and chemical Mechanical is natural
.cc k3 fix v k c K cE U ii b v f k c c	or animals that live in an area. Know that Europe is the 3rd largest continent by copulation and makes up ust under 10% of the world's population. Know the 3 largest countries in Europe. Know the smallest city and biggest island in Europe. Understand that the UK is the 3rd largest country by population in Europe with Germany and Russia being higher. Know that population is concentrated into large	sea, lake or another river. Know that Europe is the 3rd largest continent by population and makes up ust under 10% of the world's population. Know the 3 largest countries in Europe. Know the smallest city and biggest island in Europe. Understand that the UK is the 3rd largest country by population in Europe with Germany and Russia being higher. Know that the under the under the understand that there are 5 primary rivers. Know that a source is where a river begins. Know that a source is where a river begins. Know that Europe has numerous other rivers that are important such as the Thames, Seine and Rhone.	sea, lake or another river: Scottish Highlands Know that Europe is the 3rd largest continent by usefunder 10% of the world's population. Know the 3 largest countries in Europe. Know the smallest city and biggest island in Europe. Understand that the UK is the 3rd largest country by population in Europe with Germany and Russia being higher. Know that population is concentrated into large sities such as London.	or animals that live in an area. Some that Europe is the sea, lake or another river. Know that Europe is the sort and makes up ust under 10% of the world's population. Know the 3 largest continent by another in their respective countries in Europe. Know the smallest city and biggest island in Europe. Inderstand that the UK is the 3rd largest country by population in Europe with Germany and Russia being higher. Know that Europe has many mountain ranges. Know the highest mountain in Europe is Mount Elbrus in Russia. The highest peak in the Alps is Mont Blanc. Understand that the UK is the 3rd largest country by population in Europe with Germany and Russia being higher. Know that Europe has numerous often their respective countries. Know the sources of the 5 primary rivers. Know that a source is where a river begins. Know the sources of the 5 primary rivers. Know the sources of the 5 primary rivers. Know the Europe has numerous then highest mountain in Europe is Mount Elbrus in Russia. The highest peak in the Alps is Mont Blanc. Understand that how high and how tall mountains are is a measure from base to summit. Understand that how high mountains are is a measure from sea level to summit. Know that Europe has numerous in Europe is Mount Elbrus in Russia. The highest peak in the Alps is Mont Blanc. Understand that how high and how tall mountains are is a measure from sea level to summit. Know that some very tall mountains aren't very high because a lot of the base is under the ocean.

Lesson 7:	Lesson 8:	Lesson 9;	Lesson 10:	Lesson II:	Lesson 12:	Lesson 13:
WALT: explain some	WALT: identify the	WALT: identify safe	WALT: Describe the	WALT: Describe the	WALT: Describe the	WALT: Describe
of the human	physical features of	ways of crossing a	physical process of	physical process that	physical process that	the physical
processes that	a riwer.	river and give	plate tectonics.	forms volcanoes and	creates fold	process that
contribute to		examples of bridges		name some	mountains and name	creates block
chemical weathering	Know that a river	crossing the primary	Understand the Earth	examples.	some examples.	mountains and
	begins at a source.	rivers of Europe	is made up of			name some
There are two types			multiple layers: crust,	Know that	Know that	examples.
of weathering:	Know that a river	Understand that	mantle, outer core	volcanoes/mountains	volcanoes/mountains	12
mechanical and	ends at the mouth,	crossing a river	and inner core.	are a natural creation formed from the	are formed from the movements in the	Know that volcanoes/mountains
chemical Chemical is		safely is often done		movements in the	earth's crust	are formed from the
often caused by	Understand that a	by crossing bridges.	Understand that the	earth's crust.	ear a vs a asa	movements in the
humans.	river runs through a		earth's crust and		Understand that plate	earth's crust.
	channel which is a	Understand the	upper mantle are	Understand that plate	tectonics form	Understand that plate
Explain some of the	river bed between	importance of	split further into	tectonics form	volcanoes and	tectonics form
main ways that	two banks.	bridges and how	plates.	volcanoes and	mountains by moving	volcanoes and
humans contribute to		they have connected		mountains by moving	towards one another	mountains by moving
chemical weathering	Know that for larger	us.	Understand that the	towards one another		towards one another
such as burning fossil	rivers, there are also		plates move, crumple	and colliding,	Know that fold mountains are created	Know that block
fuels.	often floodplains	Explain why bridges	and dive and this	Know that Mount	where two or more of	mountains are created
	shaped by floods.	are placed where	causes earthquakes,	Vesuvius was formed	earth's tectonic plates	when a slab of land
Know that the outer		they are.	tsunamis and the	by the movement of	are pushed together:	breaks off and is forced
layers of rocks can	Know that rivers		formation of	plate tectonics and this		up as two of Earth's tectonic plates
be worn away by	flow downwards,	Explain how bridges	mountains.	is what caused its	Understand that the	pull/push,
acide caused by	often from mountains	can sometimes be		famous eruption.	process that forms fold	' '
chemical reactions.	and through valleys.	more than a	Know where some of		mountains happens	Know that this happens
		functional	the main plate	Name some examples	over millions of years.	over millions of years.
Understand that		construction.	boundaries are and	of plate tectonics causing mountain	Know that the	Famous block
chemical weathering			that these are called	ranges such as the	Himalayas, Andes and	mountains include the
doesn't just affect			fault lines.	Balkans/Andes.	Alps are all examples	Sierra Nevada in
natural rock but					of fold mountains.	California and the Harz Mountains in
statues too.					• •	Germany.
						O

Maps - composites and components

Lesson I:	Lesson 2:	Lesson 3:	Lesson 4:	Lesson 5:	Lesson 6:
WALT: Locate and label	WALT: Describe the	WALT: explain what the	WALT: identify the	WALT: Apply knowledge	WALT: relate knowledge
the equator and the	climate in the tropics	prime meridian is and	names of the lines used	of map techniques to	of lines of longitude to
tropics		identify the western and	to describe any place on	describe the locations of	time zones.
	Understand that the	eastern hemispheres.	Earth:	places.	
.Understand that the	climate is warm and wet				Know that there are 24
equator is a line of	all year round in the	Understand that the	Know that lines of	Use a compass and lines	different time zones
latitude around the Earth	tropics.	prime meridian is a line	longitude run vertically.	of latitude and longitude	around the world:
		of longitude around the		to find locations on a	
Know that the equator is	Know that the climate is	earth.	Know that lines of	map.	Know that each time
a line that splits the	warm and wet in the		latitude run horizontally.		zone has a 1h difference.
Northern and Southern	tropics because it is	Know that the prime		Be able to estimate the	
hemispheres.	close to the equator.	meridian runs through	Understand that we can	location of lines of	Understand that we use
		Greenwich in London,	create imaginary lines of	latitude and longitude	Greenwich mean time
Understand that climate	Know that tropical		latitude and longitude to	based on the numbers	(GMT).
varies depending on the	rainforests like those in	Understand that, like the	locate any point on the	themselves.	
location's proximity to	Brazil are located within	North and South	Earth.		Know that there is an
the equator.	the tropics.	hemispheres, we have		Know the 4 basic	international date line
		Eastern and Western	Know our own latitude	compass points, N E S	and this is located
Know the location of the	Know the locations of at	which are on either side	and longitude for:	W.	roughly half way around
Tropics of Cancer and	least 2 tropical	of the prime meridian			the world from the
Capricorn	rainforests.		Know that above the	Know the 8 points of a	Greenwich meridian
		Know some of the main	equator is positive and	compass NE SE SW	(GMT),
Understand that the		countries in the East and	below is regative.	NW.	
climate is warm and wet		West hemispheres.			Know that the
in the tropics.			Know that west of the		longitudinal lines for
			prime meridian is		time zones aren't always
			negative, and east is		exactly straight.
			positive.		

Earthquakes, volcanoes and the water cycle - composites and components

T: locate areas tural disasters ed by quakes and noes that quakes/volcanoes ause natural
ed by quakes and noes that quakes/volcanoes
quakes and noes that quakes/volcanoes
noes that quakes/volcanoes
·that quakes/volcanoes
quakes/volcanoes
quakes/volcanoes
r i
ause natural
and the second
ters.
the location of
.004 Boxing
isunami.
the location of
906 San
isco earthquake.
the location of
ruption of Mount
vius.
rstand these
ons in relation to
ing of Fire and
boundaries.
i () is a rai ii

Lesson 8:	Lesson 9:	Lesson 10:	Lesson II:	Lesson 12:	Lesson 13:	Lesson 14
WALT: identify the	WALT: describe the	Volcanoes and	WALT: explain the 5	WALT: explain what	WALT: identify and	Water Cycle unit
extent of the area	scale for measuring	earthquakes quiz and	steps of the water	clouds are and how	describe the nature of	quiz and time to
affected by the 2004	the magnitude and	time to provide	cycle.	they are formed.	the different types of	provide additional
Boxing Day tsunami	intensity of	additional teaching			cloud	teaching on any
and explain the	earthquakes and	on any concepts	Know the water cycle	Know that a cloud is		concepts requiring
impact.	volcanoes.	requiring additional	is a physical process	a large group of	Know the 3 main	additional input.
		input.	that happens on the	water droplets.	types of cloud:	
Know that a tsunami	Know that we		surface of the Earth		Stratus	
is caused by an	measure earthquakes		and in its	Know that clouds are	Cumulus	
earthquake.	in magnitude and the		atmosphere.	formed when water	Cirrus	
	scale is the Richter			evaporates.		
Know that the 2004	scale.		Know the names of		Know that stratus	
Boxing Day tsunami			the 5 steps of the	Understand that	clouds are dark and	
occurred in India.	Know that we		water cycle	clouds are when the	featureless which	
	measure volcanoes			evaporated water	creates grey skies.	
Know that the	using the Volcanic		Understand the water	condenses high up in		
earthquake measured	Explosivity Index		cycle is a continuous	the cooler air.	Know that cumulus	
9.3 on the Richter	(VEI).		process.		clouds are puffy.	
scale.				Know that only lower		
	Know VEI ranges		Know that the water	clouds give	Know that cirrus	
Know the Richter	from 0 - 8.		cycle happens all	precipitation.	clouds are thin and	
scale is used to			over the world.		wispy.	
measure the strength	Know micro			Know that rain,		
of earthquakes.	earthquakes are less			snow, sleet and hail	Know the names of	
	than 2 on the scale.			falling from clouds is	variations of these	
Know that the				called precipitation	cloude	
tsunami waves were	Know that meteoric			(not just rain).	(cumulonimbus,	
30 metres high.	earthquakes measure				cirrocumulus etc.)	
	10+.					
					Know that	
	Know that meteoric				cumulonimbus clouds	
	means sudden and				produce thunder and	
	extremely strong.				lightning storms.	

Lesson I:	Lesson 2:	Lesson 3:	Lesson 4:	Lesson 5:	Lesson 6:	Lesson 7:
WALT: explain what	WALT: list the main types	WALT: describe ways	WALT: understand	WALT: identify the	WALT: identify and	WALT: understand
the terms	of transport used in cities	in which London is	why people travel	advantages and the	mark on different	the reasons for
transportation,	and their	trying to reduce	within the UK and the	disadvantages of	methods of transit on	international travel
congestion and	advantages/disadvantages.	transport congestion and pollution,	types of travel they	different types of	a map of the UK.	and the different
pollution mean		ana pouuioni	use.	travel		forms of transport used:
	Know that cities use a	Know that congestion	 		Know that there are	asear
Know that	variety of transport	and pollution and	Know that people in the UK travel for	Know that people in	many different routes	Know that
transportation is the	methods.	congestion occur mostly	personal or business	the UK travel for	and methods of	international travel
movement of people		in cities.	reasons.	personal or business	transit in the UK.	is the transport of
or things from place	Know that some cities		1 000301 103.	reasons.		people or goods
to place.	make it more difficult for	Know that pollution	Know that transport	Know that transport	Know the locations of	between different
	commuters to use certain	and congestion in cities	within the UK includes	within the UK includes	main roads such as	countries.
Know that congestion	transport methods.	needs to be managed.	road, rail, air and	road, rail, air and	the MI.	Know that different
is extremely crowded		Understand that some	water.	water.		methods of
with traffic.	Know the 4 main kinds of	cities manage		,, 5355,	Know the different	transport are faster
	transport in cities:	congestion and	Know that roads are	Understand that there	map symbols for	or slower:
Know that pollution is	Public transport	pollution by limiting	most frequently used.	are advantages and	each kind of road.	
a poisonous or dirty	Bicycles	private transport		disadvantages to		Know that almost
substance.	Cars	V 11 1 1 1	Know that rail travel	each type of travel.	Know and mark on a	all international
Kanasatian	Goods vehicles	Know that London has the congestion charge.	is a popular option,	01 0	map: A motorway	travel causes pollution and it
Know that congestion and pollution and	Understand that there are	the congestion orange.	usually for commuting.		A main road	needs to be
congestion occur	positives and negatives	Know that air pollution	Understand why air		A secondary road	managed.
mostly in cities.	about each method of	in cities can cause	travel is least popular		A minor road	ð
musay a v cares.	transport.	breathing difficulties.	to travel within the		A railway	Know that trade
Know that pollution	a a toporto		UK.		A bridleway	and tourism are the
and congestion in	Understand that some	Know that some cities,			A cycle path	main reasons for
cities needs to be	cities manage congestion	London especially,	Know that there are		An airport	international travel
managed.	and pollution by limiting	provide cycle lanes to reduce pollution.	lots of smaller		A canal	
	private transport	Termie poministi	footpaths, tracks and		, , 554 000	
	L		bridleways.			

Lesson 8:	Lesson 9:	Lesson 10:	Lesson II:	Lesson 12:	Lesson 13:	Lesson 14
WALT: identify the	WALT: define and	WALT: describe some	WALT: explain	WALT: Locate on a map	Fieldwork	
advantages and	identify natural resources.	of the uses of natural	why international	where most of the world's		
disadvantages of forms of		resources.	trade in natural	oil is produced and where		
international transport and	Know that international		resources is	most of copper and nickel		
explain how the	trade is the exchange of	Know that natural	important.	is mined.		
disadvantages can be	goods and services	resources are the land,	'			
managed.	between countries.	forests, energy sources	Know that humans	Know that oil is a natural		
Know that almost all		and minerals existing	are reliant on	resource.		
international travel causes	Know that natural	naturally.	<mark>many natural</mark>			
pollution and it needs to be	resources are the land,	0	resources for	Know that oil is an		
managedi	forests, energy sources	Know that humans are	survivali	important natural		
	and minerals existing	reliant on many natural		resource for fuel.		
Know and describe the main	naturally.	resources for survival	Know that many	0 0		
advantages and	0	· ·	natural resources	Know that the Middle		
disadvantages of:	Know that natural	Know the seven most	people need do not	East is the largest		
Air travel	resources are often traded	common natural	naturally occur in	producer of oil		
Sea freight	between countries.	resources: water, oil,	their own countries.	0		
Passenger ships Rail		forests, rocks, minerals,		Know that oil also comes		
Roads	Know that each natural	soils, animals.	Know that	from Russia and the US		
	resource occurs more		countries earn	but in lesser quantities.		
Understand that different	commonly in different	Understand how these	money by selling	r		
forms of international travel	parts of the world.	natural resources are	their natural	Know that nickel and		
are used for different reasons	1 0	vital to our survival in	resources to other	copper are both metals		
and some cause more	Know that countries earn	different ways.	countries.	used for making batteries.		
pollution than others.	money by exporting	00 0		0 0		
	goods to other countries.	Know that in the UK, we	Know that	Understand that the		
Know the Panama/Suez canals have managed one of	0	import many natural	countries import	demand for nickel and		
the disadvantages of sea	Know that humans are	resources that we can't	natural resources	copper has increased		
freight by making the journey	reliant on many natural	find here such as oil,	from overseas.	along with the use of		
shorter:	resources for survival	,	,	electric cars.		
	0					
Understand how each of the				Know that most nickel		
five main international °				and copper is exported		
transport methods can be				from Chile.		
managed (e.g. greener				1		
aeroplanes, cleaning exhaust						
fumes, higher speed trains and						
electric vehicles).						