### techniques for both human and physical A range of primary and secondary

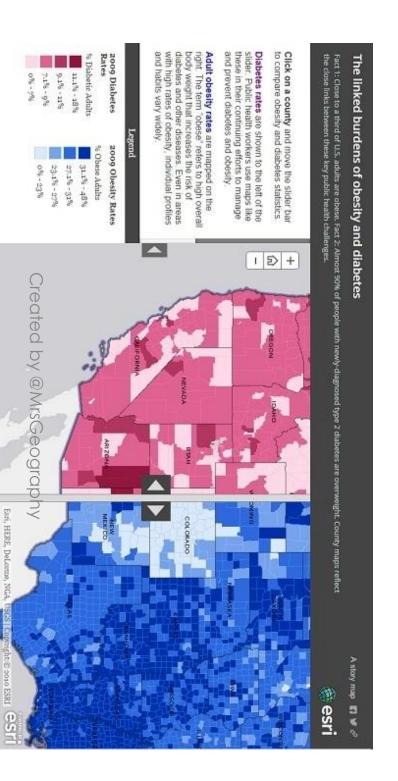
# fieldwork techniques

fieldwork. You will be **spoilt** for choice!

# ArcGIS Online story maps

ArcGIS Online is a GIS platform allowing students to create view, interrogate and display a range of data.

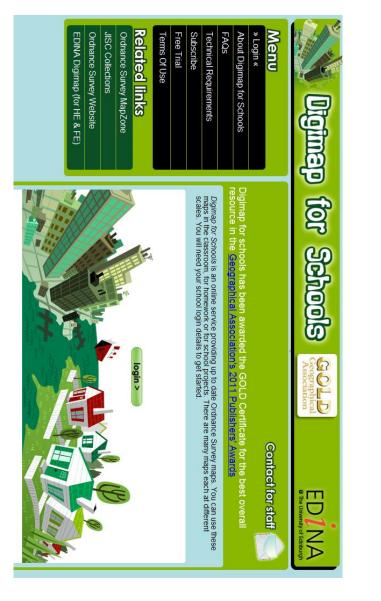
(created in ArcGIS Online) with content, i.e. photographs, to Story maps allow students to combine interactive maps illustrate intormation in regards to a particular location



# 2. Digimaps for schools

EDINA's Digimap for Schools is a great tool for any key stage, with a huge range of historical, local, regional and road style atlas maps which are regularly updated.

With a range of additional features allowing students to customise maps with measuring tools, shapes, text and photographs. It is effectively a simple way to embed GISc into your teaching practise.



## 3. Google Earth

to view locations at a range of Google Earth allows students scales, through satellite imagery

planet has changed over time time-lapse feature also allows students to view how our In addition Google Earth's using satellite images.

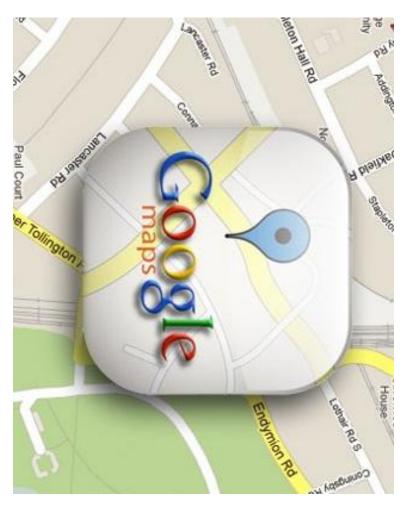
predominant wave direction KEY TIP: Google Earth could also be used to show wave approach showing the



## 4. Google maps

Students can easily view a range of locations with a number of viewing features from street view, road maps and satellite earth view. It can also plot fieldwork routes which students could then screen print and annotate at a later date.

Google maps street view is also a great platform for virtual **fieldwork if you are having difficultly organising fieldwork.** 



KEY TIP: Complete pedestrian counts, environmental quality surveys as each stream is live!	Using websites such as <b>earthcam.com</b> , allow students to use a range of webcams to observe the landscape and identify a range of evidence such as weather, people or even time zones.	ັ ເ S
Image: Second by @MrsGeography	<image/>	5. Webcam
Park BestV	Static       Static         Add a Can       Nore V       Vertheam         Add a Can       Nore V       Vertheam         LUE       Marcov RU       Vertheam         Junes Square, NC       Junes Square, NC       Vertheam the Torch         Paris, FR       June Torch       Vertheam the Torch         Junes Over RU       June Torch       June Torch         Junes Over RU       June Torch       June Torch         June Torch       June Torch       June Torch         Jun	





They can then be used to examine human and physical features of a scene and how these are interrelated.

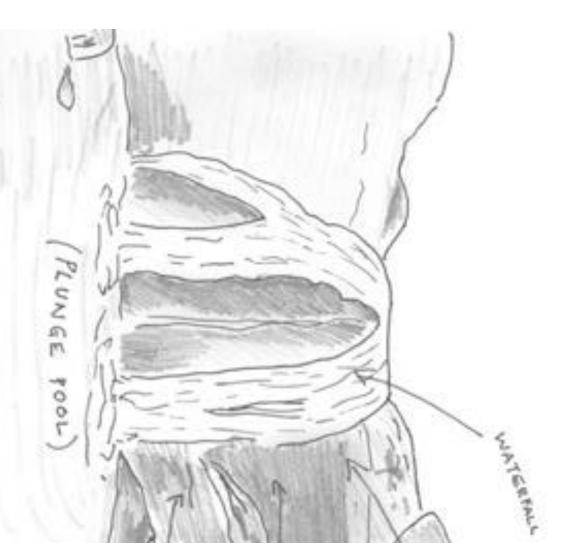
Similar to sketches, photographs and/or images can show main features of a view or location.

### 8. Photographs OR 9. Images

### 10. Sketches

A sketch can be used to show an image and/or photograph, viewpoint or landscape.

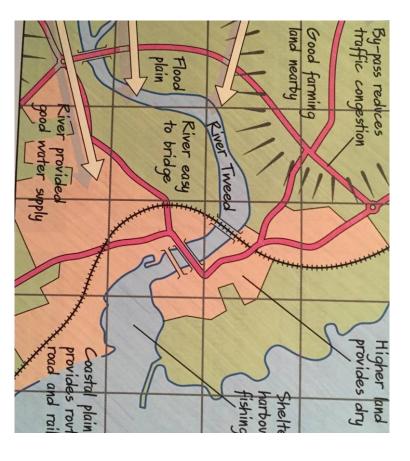
Sketches can then be annotated to show key characteristics and features.



## 11. Sketch maps

Similar to sketches, students can use sketch maps to show the main features of a location, or as a base map to display other data such as images or graphs.

For example a sketch map can illustrate existing coastal defences and assessing the effectiveness.



### Students could use census Alternatively, census data familiarise themselves with primary findings collectec during a fieldtrip. could be used to support data before and/or after If completed before it could allow students to conducting fieldwork. characteristics, i.e. each locations key population, crime, employment. 12. Census data Census

## Also refer to census data

http://www.rightmove.co.uk/

https://www.visitengland.com/

http://www.nationalparks.gov.uk/

http://www.neighbourhood.statistics.gov.uk

/dissemination/

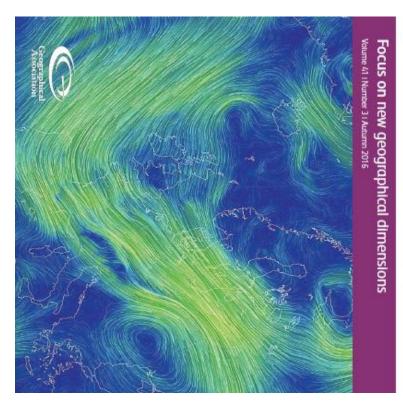
13. Websites

https://www.police.uk/

### 14. Textbooks, journal articles etc.

A great source of secondary information or even new theories and concepts.

### **Geography**



### Survey OR Bi-polar analysis 15. Environmental Quality

A method used to assess the quality of a location. It can be used to compare different locations against the same factors.

The survey allows you to choose pairs of opposite characteristics, e.g. no litter and litter, and associate these with a scale score such as +2 to -

Safe						Unsafe
Not crowded						Crowded
A lot of green space						Very little green space
Plenty of clear signage						Poor signage
No littler						A lot of litter
No congestion, free flowing						Very congested with traffic
Little noise						Very noisy
Pleasant environment						Unpleasant environment
	+ 2	+ ]	0	-1	- 2	

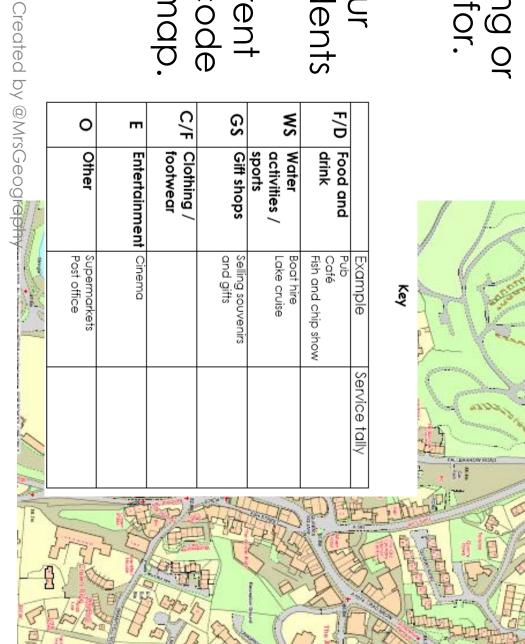
### A strategy used to count locations, in the morning location, usually for 5 repeated at various and atternoon for traffic in a given This can then be comparison. minutes. HGC (e.g. vans and lorries) Bicycle Bus / coach g Motorbike Location 1: Time: ... Count 1 (Tally) Time: .. Count 2 (Tally)

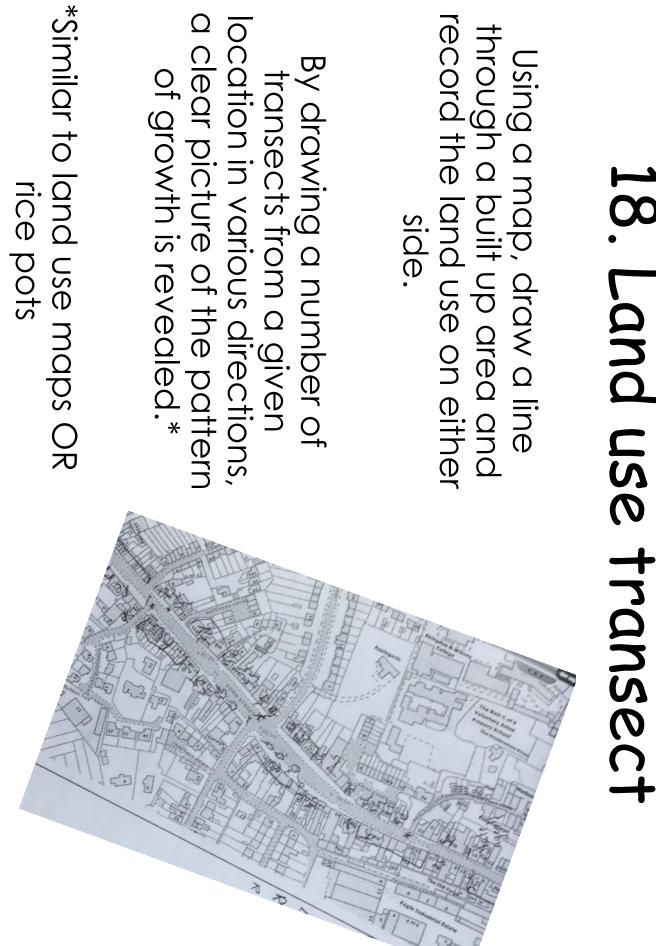
16. Traffic count

### 17. Land use mapping

This can be used to find out what each building or open space is used for.

Using a map of your chosen location, students can use a key to categorise the different services and colour code and/or pattern their map.





## 19. Rice pot survey

When constructing maps of urban to quickly note the main types of land use a code allows students colour and/or shading tor your land use. Then they can use tinal map.

This example classification is called general code letters. There are 2 codes tor each land use. The tirst RICE POTS, originating from the second describes it in more is a general code letter, the detail

### residential

π

D detached house **B** bungalow S semi detached house T ternaced house Fflat

C church

Hhospital

E education & libraries public buildings

P police

Wwelfare

### industria

0

Ffarmland open space н

E extraction (mined) B building works C chemical works Hheavy manufacturing L light manufacturing

### commercial

0

**M** market 6 garage V vacant or under construction Y furniture and carpets D department stores P personal services F food shop

### ш entertainment

S sports centre Hhotel T theatre and cinema

### activities you are unsure about. \* Use X as a second letter for

**B** business Ffinancia Hhousing (real estate) M medical

### services

ŝ

T taxi S sea port C car park **B** bus station

Ppark

C cemetery

S sports field

D derelict building U unused land

transport

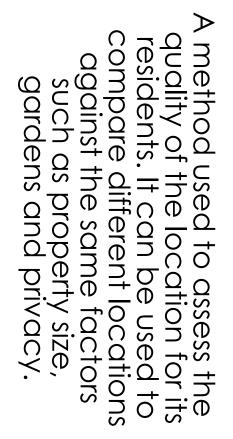
-

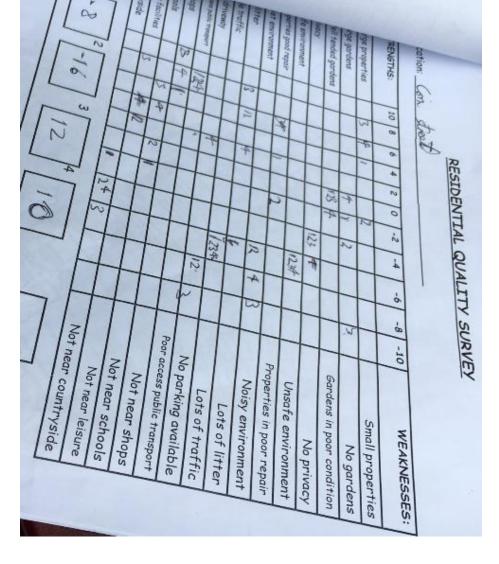
Ooffice S specialist shop

Bbar R restaurant and cafe/soda

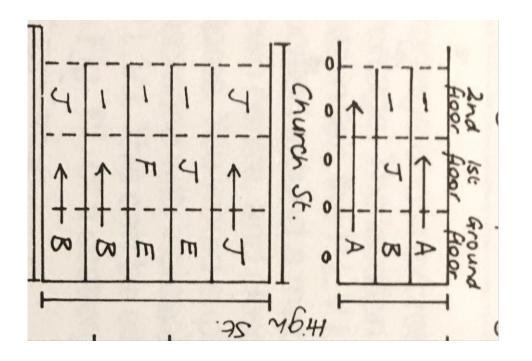


The survey allows you to choose pairs of opposite characteristics and associate these with a scale score, for example from +2 to -2.\*





20. Resident Quality Survey



Students could storeys in each building and record it on a base map.

As buildings in town centres are usually taller, decreasing the further you travel outside of the CBD.

## 21. Building height

to one hour

0 Parking meter zone

- No parking

classification

KEY

A-P Land-use

centres.

Students need to mark the restrictions on the base map, using a classification such as no parking, parking meters, parking limited to one hour etc.

As parking restrictions influence shopping patterns, these can be greatest in the CBD or out-of-town shopping

22. Parking restrictions

## 23. Shop quality

A shopping street survey can be used to measure an areas importance and variety. Therefore showing the vast array of facilities and shops the area has for shoppers.

It could be used to examine if the quality/variety of shopping locations increases or decreases towards a particular location.

D 0 ω D Quality of goods Shopping quality Retail organisations groups Type of shop Other land-use 5 = small, independent shop units 1 = national chain stores dominant б 1 = good quality and/or high price goods 3 = mixed – some national and independent G - low quality and/or low price goods = mainly offices shops and banks/building societies very few shops – dominated by dominated by department/variety stores, or shops selling 'comparison' goods 11 = wide variety of shop types, convenience mainly shops houses/industry goods dominant Score (on a scale of 1 to 5)

24. Street app	4		earance
A street appearance survey	-		
can be used to measure the		Street appearance	Score (on a scale of 1 to 5)
areas attractiveness.	у. П	Safety for pedestrians	1 = very safe 3 = busy street with policon opposit
Therefore showing how	CD	crossing street	5 = high risk – busy street with no crossing
attractive and well-kept the	п	Shopping crowds	<ul><li>1 = very busy – large numbers of shoppers</li><li>5 = very quiet – few shoppers</li></ul>
area is lor people.	G	Street cleanliness	1 = very clean – no litter
It could be used to examine if	Τ		5 = very dirty – serious litter problem
the quality of streets	I	Exterior appearance of shops	<ol> <li>1 = well-maintained property/attractive window display</li> <li>5 = poorly-maintained/very drab</li> </ol>
locations, or in a single	-	Traffic/pedestrian segregation	<ol> <li>1 = pedestrianised street/precinct</li> <li>2 = buses only route</li> </ol>
location. *			<ul><li>3 = open to all traffic – no parking</li><li>4 = open to all traffic – limited parking</li></ul>
			5 = main traffic route - no parking restrictions
*Similar to an Environmental	C	Vacant premises	<ul><li>1 = all premises occupied</li><li>5 = many vacant premises/cleared sites</li></ul>
Quality Survey		-	

## 25. Quality/Decay Index OR Building quality

Variations in residential can be shown using a building quality or industrial areas survey.

residential or industrial locations against the compare different It can be used to same tactors.

> 20-29 Below 20

> > Action needed in very near future to improve structure

Need to demolish or rebuild

				Good/excellent	50-60
			dings	Physical condition of buildings	Score
			your result:	The following general points can be made from your result:	ne following gene
60.	your total from	hen subtract y	arded points, t	For every street examined, add together the awarded points, then subtract your total from 60.	or every street exa
			ntre	Either in the field if time, or on return to the centre	ther in the field if
10	6	2	0		Sagging roof
8	4	2	0		Rotting timber
11	0	ω	0	Structural damage, e.g. settling cracks	ructural damage,
7	ω	1	0		Broken gutters, etc.
7	ω	1	0	ndows	Broken glass in windows
9	IJ	1	0	erial	Displaced roof material
ω	N	1	0		Paint peeling
5	ω	1	0	SI	Deterioration of walls
Much	Some	Little	None		

- -	26. Shopp
Survey	opers perception

This survey is used to determine shoppers' awareness of the layout of a particular location (i.e. CBD).

Simply select 10 shops and/or offices in a given location and mark their location on a map. Number each position on a different map and ask a sample of shoppers to match the list of shop names to the site numbers, recording the answers on a sheet.

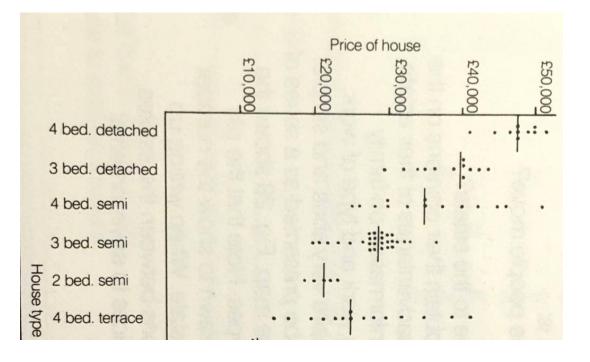
The aim is to examine whether shoppers' awareness is a good indication of accessibility and land use.

ic	ō	9	00	7	6	сл	4	G	N	1	HUITIDE	Sille	25
1	Grace's Ladieswear	Financial Affairs	Oddies-Confectioners	John Collier-Menswear	Tesco	Boots Chemist	Eastwoods Furniture	Job Centre	Barclays Bank	Boyces Hardware		Shop/office name	2
	0%	13%	77%	67%	97%	97%	37%	73%	63%	57%	correct answers	Percentage	
	333 M	143 m	32 m	32 m	m 84	0 %	158 m	95 m	95 m	143 m	f	Distance	

# 21. House price survey

Using local estate agents, websites, newspapers or property guides students can collect information regarding house prices within a given location.

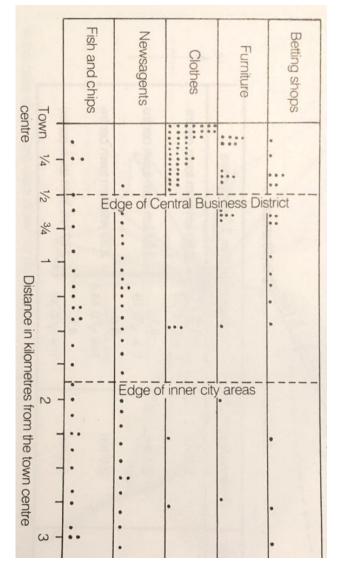
This information could then be correlated to show house prices against house type, as well as other factors if required.



# 28. Shop type distribution

By mapping the distribution of certain shop types, i.e. newsagents, furniture.

Using the scale on the map, measure the distribution/distance from a central location. Students can then examine if the pattern is regular, clustered or randomly.



# 29. Shopping hierarchy

This technique is best when visiting a number of locations locations of shopping areas, from retail to supermarkets within a given area. First students need to map the

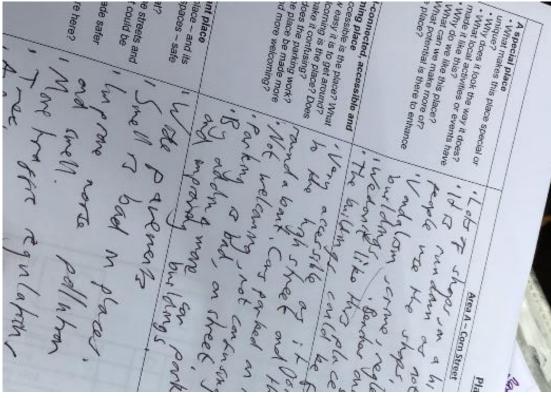
When visiting each of the shopping areas assess its position ir the shopping hierarchy, referring to the number and type ot shops available.

				-	18			-
(shop type)	Centrality value {	North Road	Bargate	Kirkhill	Loansdean	Stophill	I OWIT CETIFE	Shopping centre
49.1	100	Ш	1	-	1	-	- 1	F Newsagent
8.3	100/12	1	1	-	-		= = =	E Butcher
3.5	2 100	111	1	11	-		111	
6	04 1	12		1		10		
14.3 10	1/00/	1		1		1	. Ho	
Io	100/	1		1		-	=	Hairdresser
14-3	1001	1	-	-		-	IIII	Greengrocer
16.7	100/	-	~				Ħ	Bank
20	100/	1		1			IIII	Travel agent
20	5/001	1	2			-	101	Supermarket
			1					
7.7	100/			1			THE III	Clothes
1-11	6/						E	Furniture
11.1	601		~	1			111	Shoes
V		24	S	4	ω	10	49	Other shops
		36	80	11	S	20	127	Total ⊗ shops
		138.6	23	67.2	14-71	101-1	856.2	Total centrality values S (shopping centre)
		174.6	31	78.2	19.7	121-1	983.2	Centrality + Index <

### 30. Characteristics of a place

Students observe and summarise human and physical features with an area.

This could be linked to a list decided before hand, or used to compare two locations.



31.
Clor
ne to
WN
vs. F
lome
town

This survey is used to determine whether your to dozens of others around the country or a genuine Home Town that is as a unique place.

At your chosen location, record the amount of independently owned shops (50 points) versus chain store (5 points). Add up the scores and divide by the number of shops in total.

	-	Home Town	-		Town	Border Town			Clone Town	0		
60	55	50	45	40	ន	30	25	20	5	10	сл	
								ING	/N RAT	CLONE TOWN RATING	CLO	
					<u>(c.)</u>	Electronic/IT (TVs, phones, computers, etc.)	s, comp	; phone	c/IT (TVs	Electronic		4
									theatre	Cinema/theatre		<b>ω</b>
					0	Clothing retailer (shoes, accessories, etc.)	accesso	shoes, a	retailer (	Clothing		12
						en, etc.)	re, kitch	(fumitu	ld items	Household items (fumiture, kitchen, etc.)		=
							acy	/pharma	are shop	Health care shop/pharmacy		10
									jents	Estate agents		9
					jal, etc.)	Professional (insurance, accountancy, legal, etc.)	account	Jrance, a	nal (insu	professio		8
									e	Off licence	_	
										Pub/bar		o
					þ	Restaurant/takeaway/fast food/coffee shop	t food/cu	way/fast	.nt/takea	Restaura	_	CT
						S	Je store	catalogu	ent and	Department and catalogue stores		4
									y/books	Stationery/books		ω
							S	acconist	ents/toba	Newsagents/tobacconists		N
					it, etc.)	Food retailer (butcher, baker, supermarket, etc.)	ıker, sup	cher, ba	ailer (but	-ood reta		-
ä	Independently owned	penden	Inde							TYPE OF SHOP	TYPE (	

## 32. Questionnaire

These are particularly useful when wanting to collect information from the public. A set of questions with either multiple answers or open ended.

information, as long as they are devised carefully. These questions can be used to show a range of

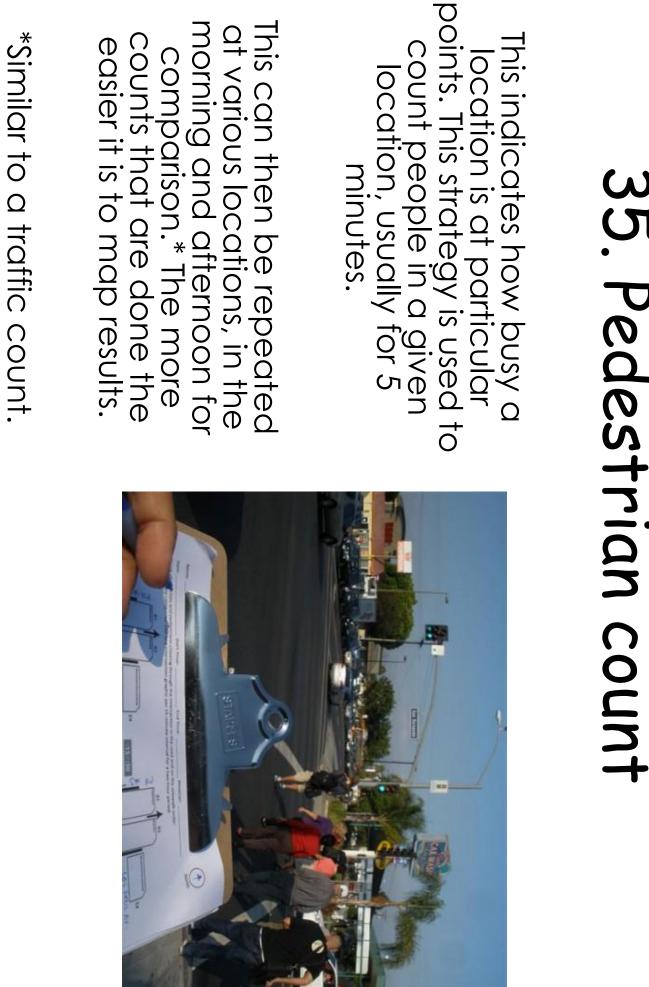
	-	2	ω	4	ъ
Where have you					
travelled from?					
What was your					
method of transport					
to get here?					
What is the reason					
for your visit?					
What type of					
accommodation are					
your staying in or are					
you a local resident?					
On a scale of 1-5,					
how would you rate					
the overall quality of					
Bowness as a tourist					
destination?					
1 = poor and 5 =	Create	Created by @MrsGeography	ography		
excellent					

information and students have the opportunity to The questions can be used to show a range of interview, as long as they are focused on the modify their set of questions throughout the information they require for their research.

34. Focus groups

33. Interviews OR

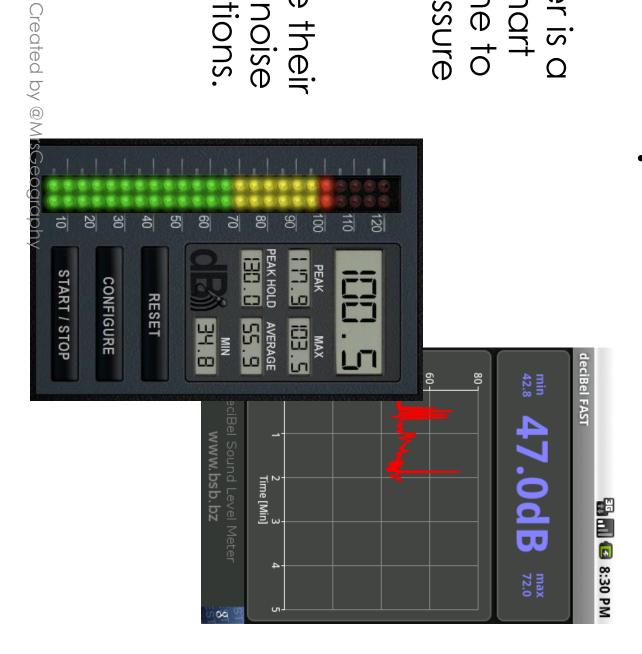
questions, to ask a small number of respondents Students come up with a set of open ended either individually or as a group



## 36. Noise pollution

This sound level meter is a tool that uses a smart phone's microphone to measure Sound Pressure Level (SPL).

Students can then use their phones to measure noise levels in various locations.

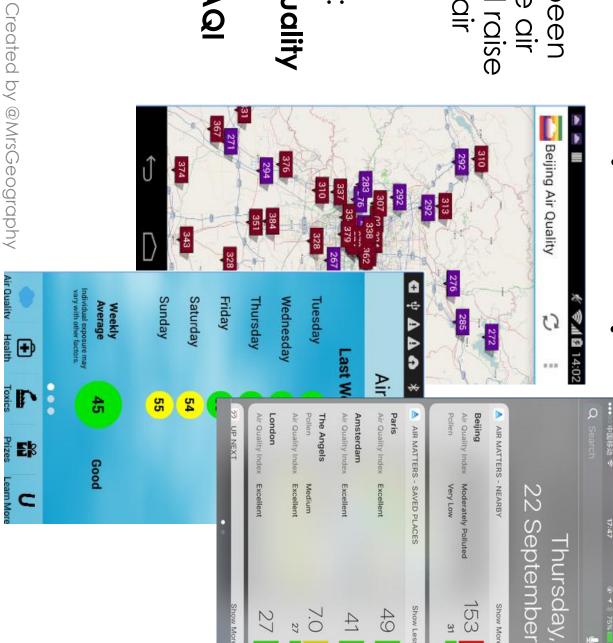


37.
Air
qua
ality

A range of apps have been developed to provide air quality information and raise awareness for poor air quality.

Some examples are: Air Matters: Global Air Quality & Pollen Data Air Quality: Real time AQI The London Air





### 38. Tally

Tallies can be used to show a quantity of a feature or object, for example litter, management strategies etc.

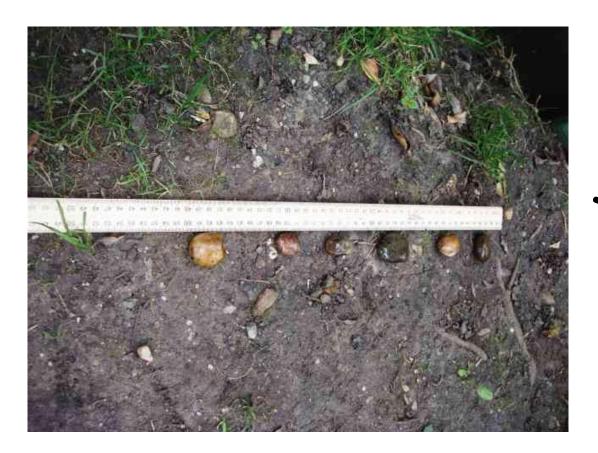
This strategy is then useful to show the total amount of a feature such as problems of tourism.

ъ	4	З	2	1
ŧ				
10	6	8	7	9
####	==    	≡≢	=======================================	<u> </u>

# 39. Sediment analysis

Ideal for rivers, glaciers and coasts fieldwork, this technique examines features sediment i.e. size, shape, angularity.

This method can also be used to compare changes in sediment size, in order to understand past physical processes occurring.



## 40. Precipitation

A range gauge can be used to collect and measure the amount of precipitation which falls, in a given location for a certain time frame.



## 41. Air pressure

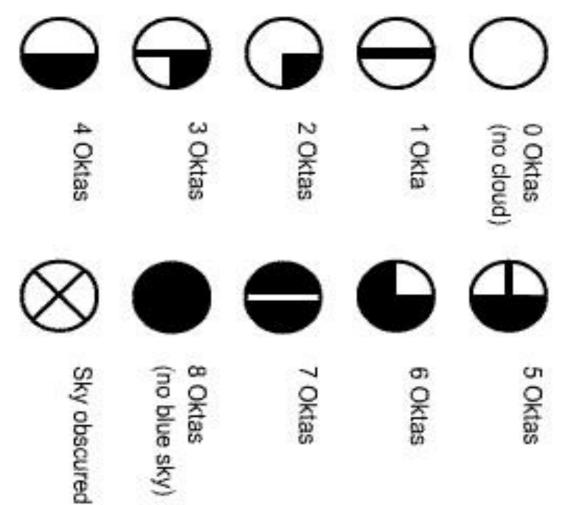
A barometer can be used to measure air pressure, for students to understand whether the weather conditions are due to high or low pressure.



## 42. Cloud cover

Using the Okta scale, decide the amount of cloud cover in the sky.

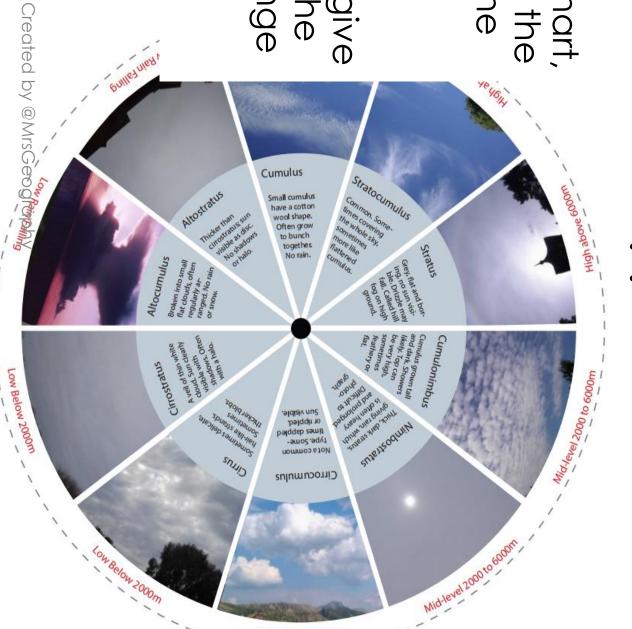
The amount of cloud cover at a location car affect temperature readings as well as light readings.



## 43. Cloud type

Using a cloud type chart, students can decide the types of clouds in the sky.

Types of clouds can give us clues as to how the weather could change i.e. rain, thunder.



Low Below 2000m

۱ ١

# 44. Wind direction

#### A wind sock, bubbles or wind vane can be used to show the direction the wind is travelling.

start location. Place a marker at your

then pick one to follow. 2 Blow some bubbles

floats somewhere you in its way, until it pops or bubble, without getting 3 Chase your chosen cannot follow.

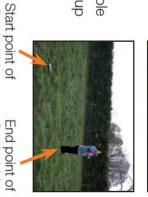
from where you end up and follow that one. 4 Blow another bubble

2 to 4 ten times if **5** Repeat steps possible

first bubble







End point of first bubble

6 Wherever you end up, look back at where you have come trom.

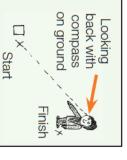
starting point (see page 7 Now use your compass). help on how to use a 4 of the Workbook for compass to work out the direction back to the

average wind direction, This will give you the





Start point of first bubble



because wind direction refers to where the wind is

## 45. Wind speed

Anemometers can be used to show wind speed, which could indicate processes such as wind erosion.

This can also be used to estimate the effects of the wind speed using the Beaufort scale below.

Very rarely experienced on land;

usually with widespread damage.

Violence and destruction

				ת	5	4	ω	2	1	0	Beaufort number
	1			25-31	19-24	13-18	8-12	4-7	1-3	Under 1	Wind Speed (mph)
	6	R		Strong Rreeze	Fresh Breeze	Moderate Breeze	Gentle Breeze	Light Breeze	Light Air	Calm	Seaman's term
			-		Y X	X		-J¢			
broken; structural damage occurs.	blown from roofs.	trees.	whole trees in motion; resistance rett in walking against the wind.	Large branches of trees in motion; whistling heard in wires.	Small trees begin to sway.	Dust, leaves and loose paper raised up; small branches move.	Leaves, small twigs in constant motion; light flags extended.	Wind felt on face; leaves rustle; vanes begin to move.	Smoke drift indicates wind direction; vanes do not move.	Calm; smoke rises vertically.	Effects on Land

### 46. Humidity

A hygrometer measures atmospheric humidity, which is now easily available as an app for any smart phone.

Students can then use their phones to measure the relative humidity in various locations.

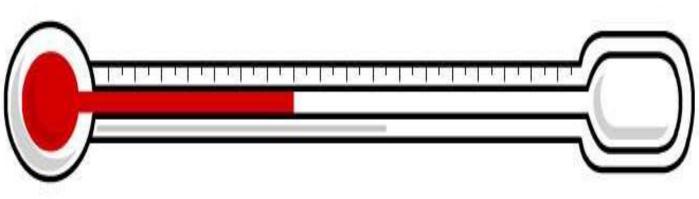




Thermometers can be used to show the temperature (°C) of a location.

<u>KEY TIP:</u> Infrared thermometers take this technique one step further by allowing you to point at an object to read its temperature *i.e. clouds*.

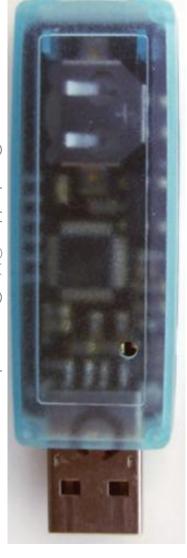




## 48. Data logger

adjustable sampling rate, storing over approximately temperature data continuously for up to 5 days and 8,000 data points. The data logger can be stored A data logger looks like a memory stick with an outside in a waterproof container to collect nights.

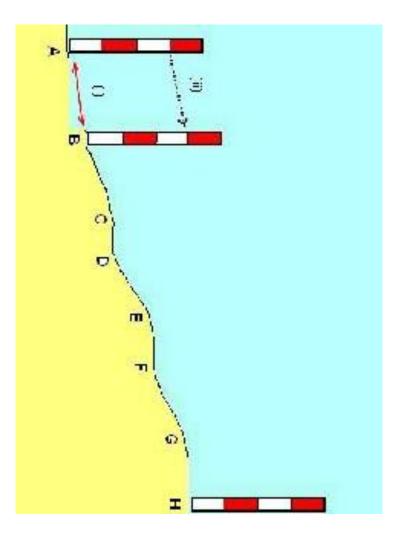
The data logger can be easily plugged into a computer in order to download the results.



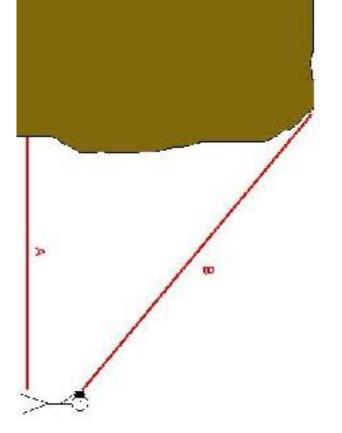
#### 49. Beach OR River profiles/transects

This strategy is used to survey the morphology of a beach, valley or river gradient, ideal to compare a variety of ecosystems such as sand dunes.

To complete this technique a clinometer and two ranging poles will allow a bearing to be produced to record the slope angle.



Created by @MrsGeography



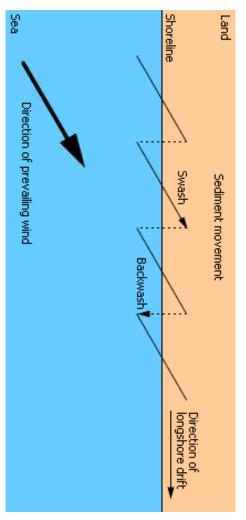
The height of the cliff can then be calculated: Distance (A) x tan of angle (B) + height of observer Using the diagram for reference, students as a starting point. Then using a clinometer aim at the top of the cliff which allows them to measure (B).

50. Cliff height

# 51. Measuring longshore drift

This technique allows students to observe the processes of swash and backwash, and the direction of longshore drift along the coastline.

Student need to decide a distance to measure, marking the start and end positions. They then must place a floating object in the sea at the starting point and measure the time it takes for the object to reach the end position.



#### Created by @MrsGeography

### management: Groynes 52. Impact of coastal

Students measure the height of the sediment against each groyne (or a sample number of groynes), on both sides.

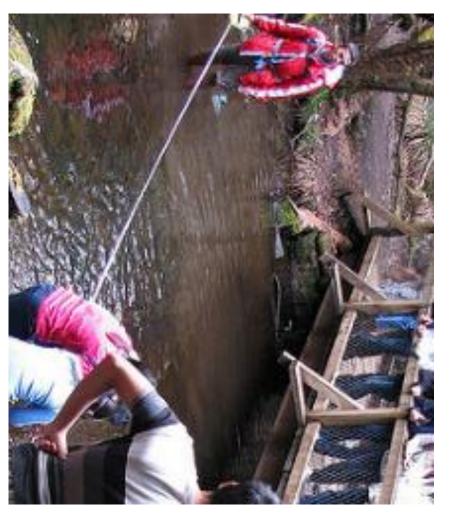
They could also mark the location of the groynes on a base map using compass directions to allow them to identify the direction the sediment is being transported.



## Bankfull OR Channel width 53. Valley cross-sections:

Students take a tape measure across the river from one side of the river bank to another.

**NOTE:** Students need to measure the full height of the river where the river bank suggests that its the maximum water capacity.



### 54. Valley cross-sections: Valley width

Students take a tape measure across the river from one side of the river valley to another.

**Note:** This technique is easier in the upper course where the channel width is smaller.



## KEY TIP: This would allow a cross sectional diagram to be drawn.

Stretch your tape measure from the top of the river bank to the other, allowing measurements to be taken along a straight line. At each interval place a meter ruler or surveying pole in the water ruler until it touches the river bed. Where the surface of the water reaches that is your measurement.



## 55. River depth

After finding the width of the river (see bankful width), students can

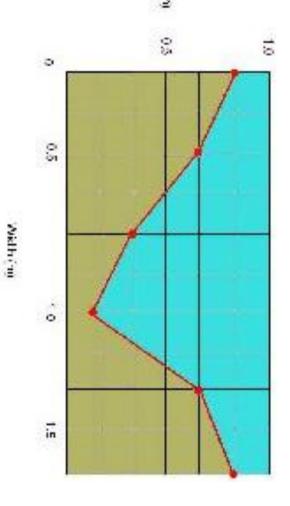
now work out the depth along the river cross section at various

intervals.

### 56. Wetted perimeter\* \*The part of the channel in contact with water.

A tape measure, chain or rope should be stretched from one side of the river bank to the other, directly over the water and any composed rocks or stones.

This allows students to then use this to work out the hydraulic radius, to show channel efficiency.



## 57. River velocity

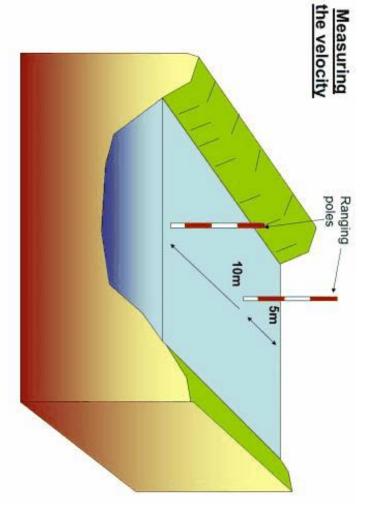
This can be completed in a number of ways:

 Flow vanes and/or flow meters can be placed in the water to give a reading of velocity.

This technique is particularly useful when wanting to take readings at different widths and depths across a river channel.

## 2. Floating object i.e. tennis ball

Students need to decide a distance to measure, marking the start and end positions. They then must place a floating object in the river at the starting point and measure the time it takes for the object to reach the end position.



# 58. Light intensity

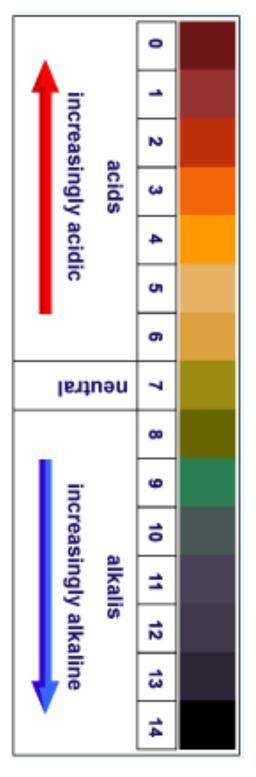
A light meter can measure the light intensity between two distances (points) or when pointed in the direction of the maximum light intensity i.e. The sun.



## 59. pH levels

The pH of soil, rainwater, and water in rivers and ponds, can be measured using a pH probe and meter.

collected in order to test with litmus paper. On the other hand, a sample could be



# 60. Invertebrate sampling

Using either pitfall traps (typically used over night), sweep nets, kick sampling or beating sheets invertebrates can be examined and identified using an identification key or handout which includes images and/or descriptions.



# 61. Species abundance

A quadrat can be used to survey animals and plants present in a square metre, which is placed on the ground. Students can then record any present within the quadrat, using an identification key or handout which includes images and/or descriptions

## KEY TIP: Students can compare the percentage of species along a transect at various intervals i.e. sand dunes

The ACFOR scale can be used to indicate abundance:

A = ABUNDANT (greater than/equal to 30%)

C = COMMON (20 to 29%)

F = FREQUENT (10 to 19%)

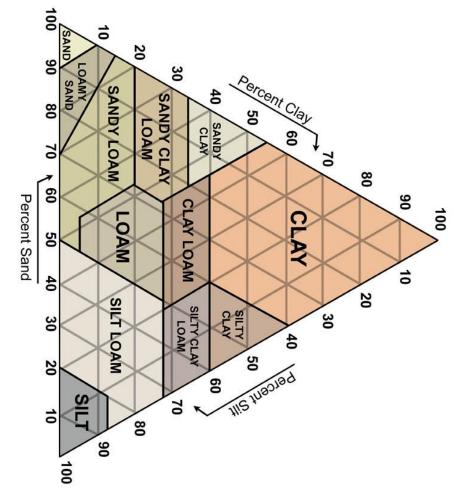
O = OCCASIONAL (five to nine per cent)

R = RARE (one to four per cent) Created by @MrsGeography

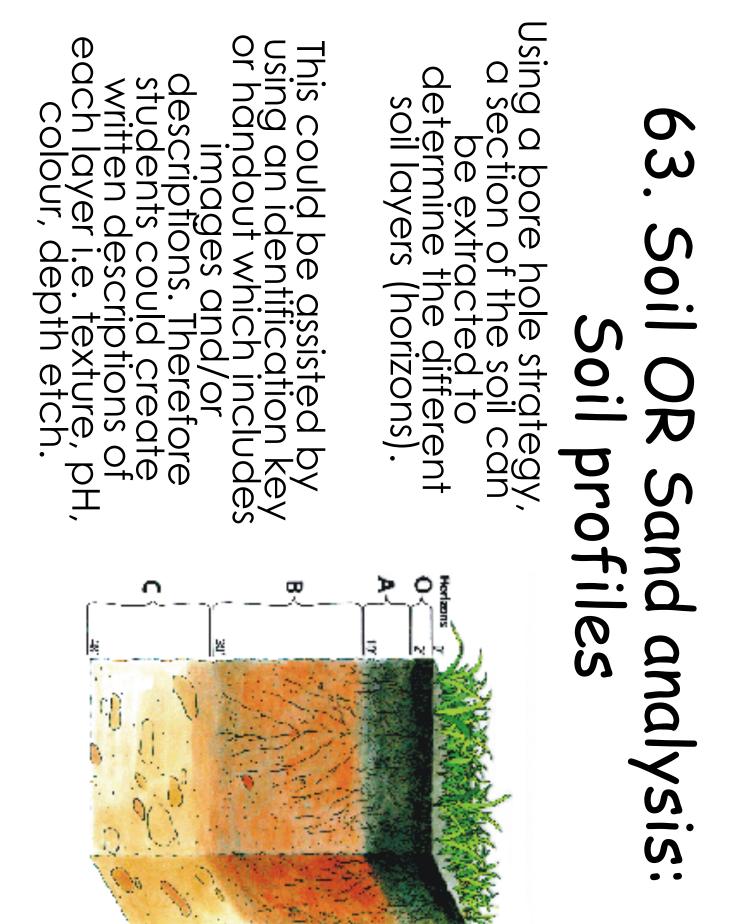
#### Created by @MrsGeography



Students can collect a small soil sample to indentify key characteristics and soil type. This could be assisted by using an identification key or handout which includes images and/or descriptions.



62. Soil type: texture and colour



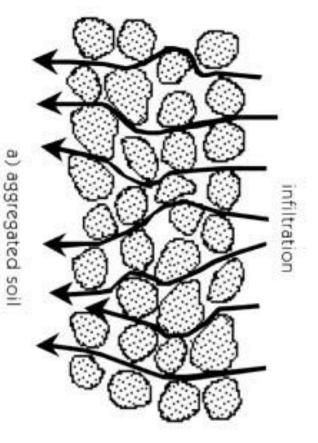
### 64. Soil OR Sand analysis Moisture content

Students could take a soil/sand sample to measure the weight of the sediment before and after being dried out. In order to determine the moisture content within the sediment.



### 65. Soil OR Sand analysis: Infiltration rates

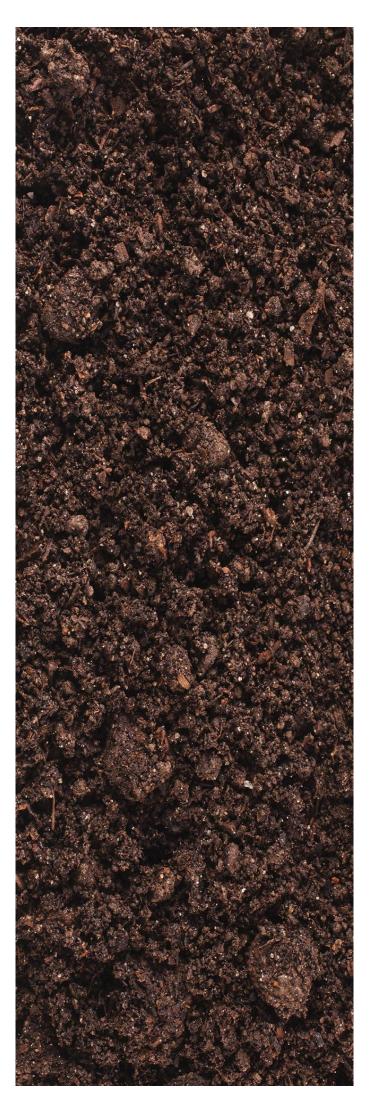
- When water is poured onto the ground infiltration can be measured. This can be completed in a number of ways:
- An infiltrometer secured into the ground will measure the rate at which water infiltrates.
- Using a drain pipe, push it into the ground level. Fill the pipe with water to the top, time how long it takes for the water to infiltrate into the ground. <u>https://www.youtube.com/water ch?v=YsEYs3YfkKE</u>



# Other sediment analysis

66. Soil pH – See pH levels

# 67. Soil temperature – See temperature



# 68. Water quality

Hatch kits can be used to investigate nitrates and phosphates in a water sample collected.

**Dissolved oxygen** can be measure using a digital meter.

<u>Other water analysis:</u> 69. Water pH – See pH 70. Water temperature – See temperature



## \*This is used to determine levels of light able to penetrate the water.

Water turbidity can be measured one of two ways;

#### 1. Secchi disc

Place a circular disc below the surface of the water and time how long it takes to disappear from sight.

## 2. Turbidity meter/sensor





# 73. Air-borne particles

Using double sided cello tape, students place the tape on objects in a given area i.e. tree, post etc. Students need to make sure that the outer layer of the tape exposes the sticky surface.

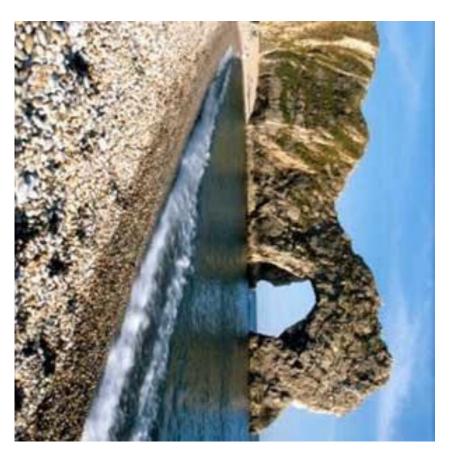
After being left for a while, remove the tape and examine it under a microscope to examine particles which have been collected.



# 74. Coastal landform analysis

Using tape measures and clinometers students can measure the width and height of caves, arches, stacks, wave cut platforms.





## Wave analysis

#### 75. Wave type

Students observe waves travelling towards the coast to determine the type of wave (constructive or destructive).

## 76. Wave height and length

Students could measure wave height and wave length onto the shore with meter sticks or ranging poles, if safe enough.

### 77. Wave frequency

Students could time the intervals between waves to determine frequency.



# 78. Striation mapping

Student place compasses on each striation etched into the landscape. Then using a base map students can plot the direction of movement to map the glacial movement.



#### Created by @MrsGeography



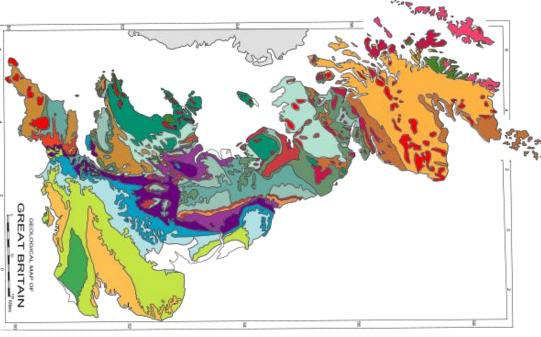
Using an identification key or handout which includes images and/or descriptions, students could investigate rock types, structure, resistance and presence of bedding planes and faults

79. Geological teatures

### 80. Geological maps 1. S. S.

Students can use these maps as a resource when visiting a number of locations, human or physical.

These can be compared with satellite images, land use, sketches, landforms etc. http://www.bas.ac.uk/dis coveringGeology/geolo



# Other useful websites

http://www.geography-site.co.uk/pages/skills.html

https://www.geography-fieldwork.org/

http://geography.org.uk/resources/fieldwork/

#### Local learning

http://www.rgs.org/OurWork/Schools/Fieldwork+and+local+learning/ al+area.htm \_ocal+learning/Fieldwork+in+the+local+area/Fieldwork+in+the+loc

### Fieldwork topics and themes

http://www.r<u>gs.org/OurWork/Schools/Fieldwork+an</u>d+local+learning/ Fieldwork+topics+and+themes/Fieldwork+topics+and+themes.htm

#### **Fieldwork safety**

a/Fieldwo<u>rk+safety/Fieldwork+satety.htm</u> http://www.rgs.org/OurWork/Schools/Fieldwork+and+local+learnin