

**Weather and Climate Y8 Work – Use the PowerPoint to help you complete your worksheet.**

Slide 3. What is weather? Make a mind map to show all the different types you can think of!



Slide 4. Where does our weather come from?

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Slide 5 – Add a definition for each of the key words.

Weather	
Climate	
Meteorologist	

Slide 9-15 – Weather or Climate? Guess below before you check your answer.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.

Slide 16 – How does weather affect us? Write a short paragraph to explain a time when weather impacted your daily life.

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**Slide 17 + 18 Complete the table using the information here and your own knowledge.**

**How does the weather affect us?**

*The weather affects our activities in many different ways. Complete the table by adding points to each box.*

*There should be one positive and one negative in each part of the table.*

	Positive Impacts	Negative Impacts
Health		Sunshine can cause sunburn and heat stroke.
Farming		
Transport (road, air, rail, sea)		
Retail (shopping)	Sale of barbecues, cold drinks and ice creams increase in hot weather.	
Tourism and recreation		
Energy	Sunshine can produce solar power.	

**Slide 20 Measuring the Weather**

Slide 22 – Unscramble the weather anagrams

- 1
- 2
- 3
- 4
- 5
- 6

Slide 23 – Check your answers from this slide.

Slide 24 – Add your own definition for a weather instrument.

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Slide 24 – 26 - Where would you find weather instruments?

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Use slide 28-36 to complete your table on 'How do we measure the weather?'

*Some of the table has already been completed to help you.*

Name	Diagram	Description. What do we use it for?	Unit of measure
Six's thermometer		Measures the maximum and minimum air temperature	
Rain gauge			
Campbell-Stokes sunshine recorder			
Anemometre			km or miles per hour
Wind vane			
Barometre		Measures air pressure. This is the force or weight of air above us.	
Cloud cover			Oktas

Slide 37 - Add a definition for each of the key words.

Weather forecast	
Prediction	

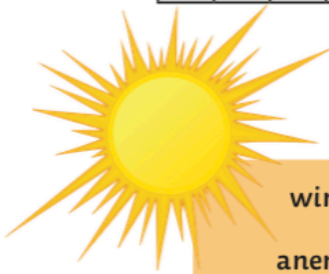
Think of **four different groups of people** who would find a weather forecast useful. Give detailed reasons for each choice in the table on your worksheet

Group	Reason why the weather forecast is important.
Golfer	
Farmer	

# Weather Instruments

Can you find the weather instruments and the type of weather they measure in the grid below?

D	L	A	Y	D	F	L	D	E	E	P	S	D	N	I	W	I	G
H	T	S	T	Z	U	C	C	S	O	B	A	T	I	W	A	L	S
K	A	N	E	M	O	M	E	T	E	R	O	N	F	I	R	U	T
Y	N	O	M	U	F	O	L	G	E	N	M	R	I	R	N	J	E
W	O	I	P	E	E	I	N	T	I	E	A	R	U	S	N	D	V
E	I	N	E	H	U	N	D	I	S	I	W	L	H	R	K	C	E
D	T	E	R	Q	P	I	E	D	N	K	T	I	U	E	B	N	N
M	C	F	A	H	Y	I	N	G	D	W	N	I	D	T	S	I	S
P	E	X	T	J	B	N	A	M	Q	E	W	E	R	E	T	Y	O
U	R	I	U	O	P	U	V	B	T	D	A	S	J	M	N	C	N
A	I	E	R	F	G	I	D	R	E	H	O	L	I	O	D	A	S
Y	D	I	E	E	W	A	N	D	J	S	U	N	E	M	R	I	C
O	D	S	U	N	S	H	I	N	E	R	E	C	O	R	D	E	R
F	N	O	L	L	A	D	W	R	C	N	E	M	X	E	H	R	E
A	I	R	P	R	E	S	S	U	R	E	T	S	N	H	B	M	E
A	W	H	D	B	P	R	E	C	I	P	I	T	A	T	I	O	N
H	K	I	A	R	A	N	S	I	R	O	D	L	G	W	E	P	A
N	M	B	S	T	R	E	T	E	M	O	R	A	B	F	S	U	E



wind vane

thermometer

sunshine

anemometer

sunshine recorder

precipitation

rain gauge

wind speed

air pressure

barometer

wind direction

stevenson screen

temperature

