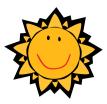


MICROCLIMATE INVESTIGATION:



WHERE WOULD BE THE MOST PRODUCTIVE SITES FOR RENEWABLE ENERGY IN THE SCHOOL GROUNDS?

☼ Where is the sun the strongest..?

Temperature before (°C)

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- 1. Collect your cup of water and place it in the warmest spot you can find.
- 2. Measure and record the temperature of the water
- 3. After half an hour (or longer) return to the cup and measure the temperature again.

	Temperature after (°C)					
Has the	as the temperature changed? If so, by how much?					
Why do	o you think the temperature	has / has not c	hanged?			
Can yo	u think of another place tha	t might be ever	n warmer?			

How does the microclimate of the school grounds differ from place to place..?

Using the map, locate the three microclimate sites and using the table below record the different weather variables at each.

	Time of recording	Wind speed (km/hr)	Wind direction	Temp. (°C)	Precip. (mm)	Site description (aspect, shelter, slope, ground
Site one		(KIII/III)	(N,S,E,W)			surface)
Site two						
Site three						

Which site would be best for (a) a wind turbine and (b) solar panels? Why?				
(a) Wind turbine:				
(b) Solar panels:				