



**Climatic change  
and  
its effects on  
the region of Kalampaka**



**1<sup>st</sup> High School of Kalampaka  
Class B2**



## The weather has gone crazy!!!

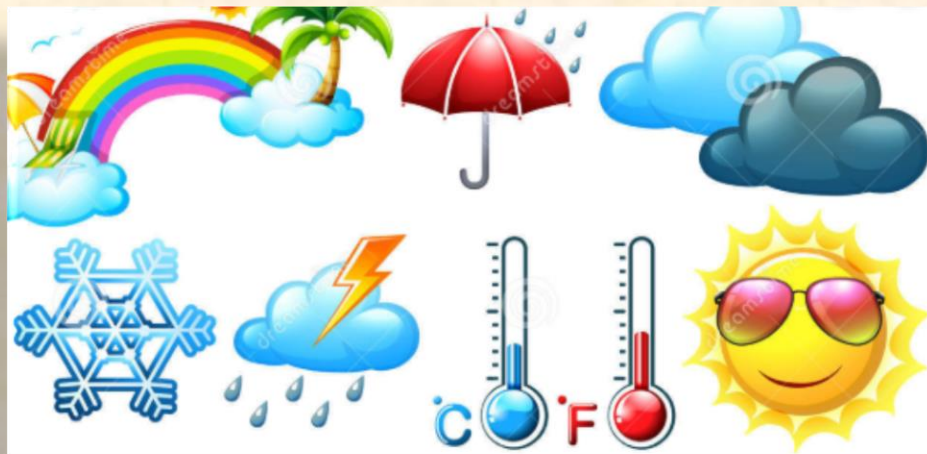
During the past years, we have experienced heavy rain, heat waves, raging fires, unusually mild winters and almost no spring and autumn!!!!

Well, then, it's certain that **Nature** has lost her mind, and the **climate** is suffering a nervous breakdown....

But, what does *climate* mean and what is the *climate change*?

*Climate* means the meteorological phenomena (temperature, rainfall, atmospheric pressure, wind, humidity) that prevail in a region for a period of over 30 years. In other words, it is the average meteorological conditions of this area.

Some people confuse the word *climate* with *weather*. They think they are used to describe the same thing. Yet, the word *weather* refers to the meteorological conditions of every single day.





***Climate change*** is about the major changes of the meteorological conditions of an area over a long period and their effects. Such changes include:

1. the rise of the Earth's temperature resulting in the greenhouse effect as well as mild winters and really hot summers;
2. the melting of the ice at the Poles resulting in the rising of the sea level;



3. heavy rainfall, severe droughts and heat waves resulting in the degradation of water quality and coastal erosion and
4. typhoons becoming more intense.





In the last years, extreme weather conditions are very common in our area due to the climate change. Of course, they have *serious consequences*.

On the evening of **16 January 2016**, the water level of *the Pineios River* had gone up and it was rushing down like never before. As a result, the Diava Bridge, which is just outside the town of Kalampaka, collapsed



The collapse of the bridge was the result of harsh weather, heavy rainfall and flooding.





There was also *heavy rain* on the mountainous area around Kalampaka in **the winter of 2017**. A lot of streams flooded, there were landslides and the level of the Pineios River and its tributaries rose unexpectedly.



In the surrounding villages, houses flooded, farm houses, warehouses, barns and grapevines were completely destroyed, crops were covered with water and hens, ducks and geese drowned.





Even the 4<sup>th</sup> Primary School of Kalampaka flooded and it was closed for days until it was repaired.





In the region of the Meteora, near the Holy Monastery of Rousanou, there was a rock fall which blocked the road. The Huge rock fell because of the heavy rainfall in the previous days.



There was another landslide near the kiosks and the canteen outside the Holy Monastery of Varlaam.





Numerous rockslides and rock falls took place in the entire road network of the Meteora region.







The raging nature made its presence felt with heavy snowfall in the Meteora region this winter as well.



## References

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