

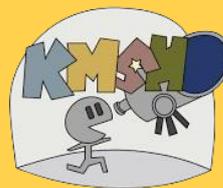
# Measurement of Surface Temperatures in Kinmen High School Campus

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The focus of this observation is primarily on exploring the influence of various weather conditions such as weather patterns, humidity, cloud cover, and other factors on the surface temperatures of different materials. The observations are conducted weekly, primarily at the ecological pond and the sportfield.

1. Weather conditions, temperature, humidity, and cloud cover were measured in two designated areas of the school (beside the ecological pond and on the sportfield).

2. Temperature readings were taken on different types of flooring materials (grass, concrete, and red PU track, we abbreviate it as PUR.)

When sunlight was optimal, temperatures in shaded areas were also measured, and the temperature differentials were calculated.

3. Data was organized using spreadsheet tools and further analyzed.

**We found that clouds and sunlight have an impact on temperature variations. Therefore, we compiled a table showing whether there was sunlight and the temperature difference between the highest and lowest recorded temperatures for each observation, with the same material being used.**

	Max-Min	Cement floor Difference	Grassland Difference	PUR Difference	Sun exposure situation
NOV 01	24.4°C	NONE	NONE	20.4°C	Obvious
1NOV 08	11.7°C	4.1°C	3.2°C	NONE	Obvious
NOV 15	8.8°C	NONE	NONE	NONE	Not too obvious
NOV 22	23.5°C	NONE	20.9°C	16.8°C	Obvious
NOV 29	20.2°C	6.0°C	20.2°C	8.8°C	Obvious
DEC 06	6.7°C	NONE	NONE	NONE	Not obvious
DEC 13	10.1°C	NONE	NONE	NONE	Not obvious
DEC 20	5.0°C	NONE	NONE	NONE	Not obvious
DEC 27	21.5°C	9.9°C	20.0°C	7.7°C	obvious
JAN 09	16.4°C	7.9°C	16.4°C	11.6°C	Obvious
FEB 07	1.7°C	NONE	NONE	NONE	Not obvious (light rain)
FEB 14	21.5°C	NONE	20.6°C	NONE	Obvious
FEB 21	34.7°C	12.4°C	32.2°C	19.0°C	Obvious