

How Cool is Your School? Preparing for Heatwaves!

School: KILGLASS NS
Group Name: THE VOLUNTEERS!

Date: 16/04/2024

Why?

We wanted to examine our school and to see how well we were prepared in terms of keeping 'Cool' in light of the treats posed by Global warming. This was part of Globe Ireland's 'Cool Schools' Project 2024



Who?

- A group of very-interested and motivated pupils gave up their lunch-times to plan, implement and showcase their project.
- The group was made up of 3rd and 4th class pupils.

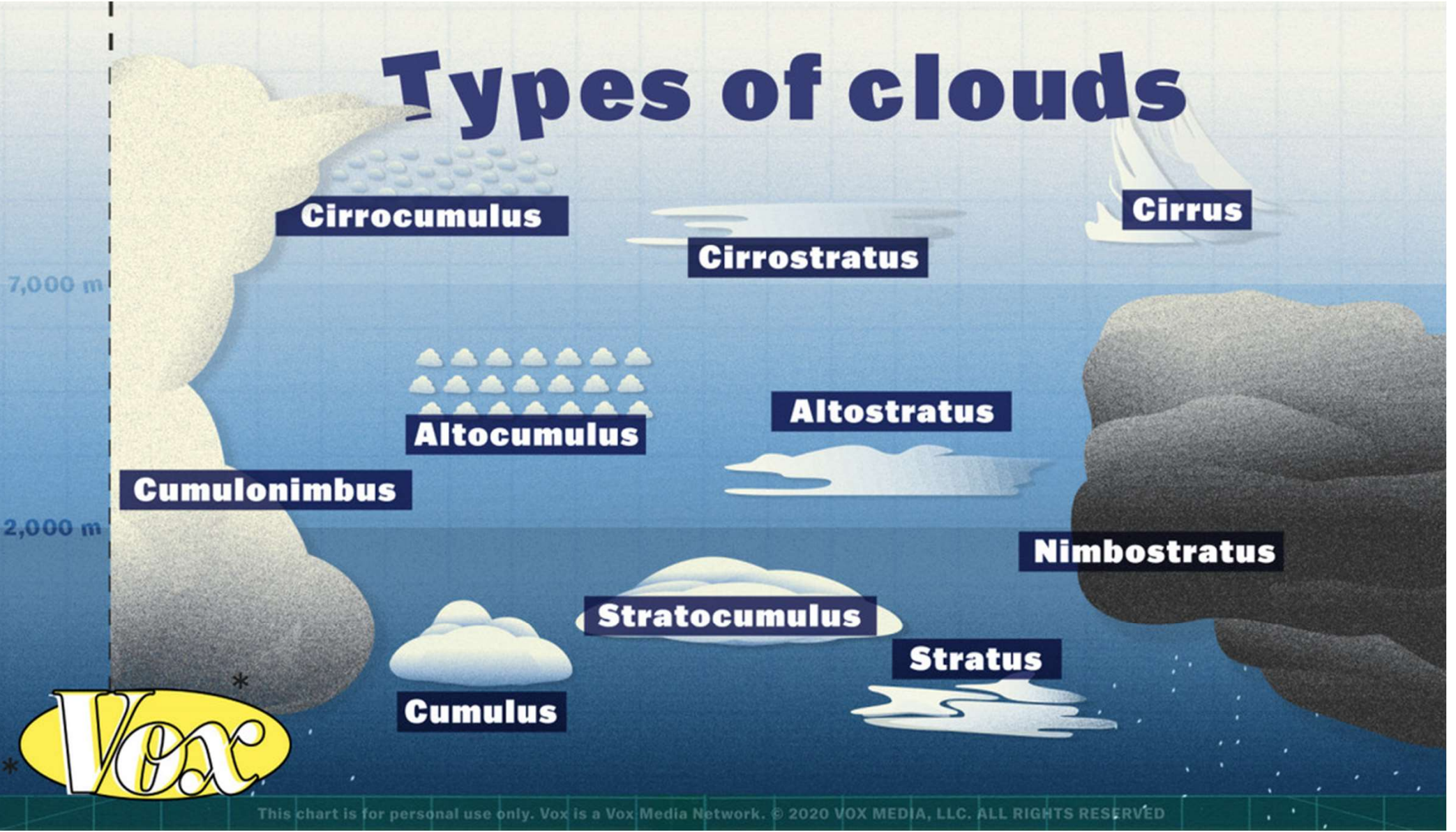


Where?

We first learned about clouds and their effects on temperature. We then did a school Land cover walk, completed a school surface audit and chose 4 school surface areas for our project: tarmac, grass, wood chips and pebbles.



Types of clouds



HOW

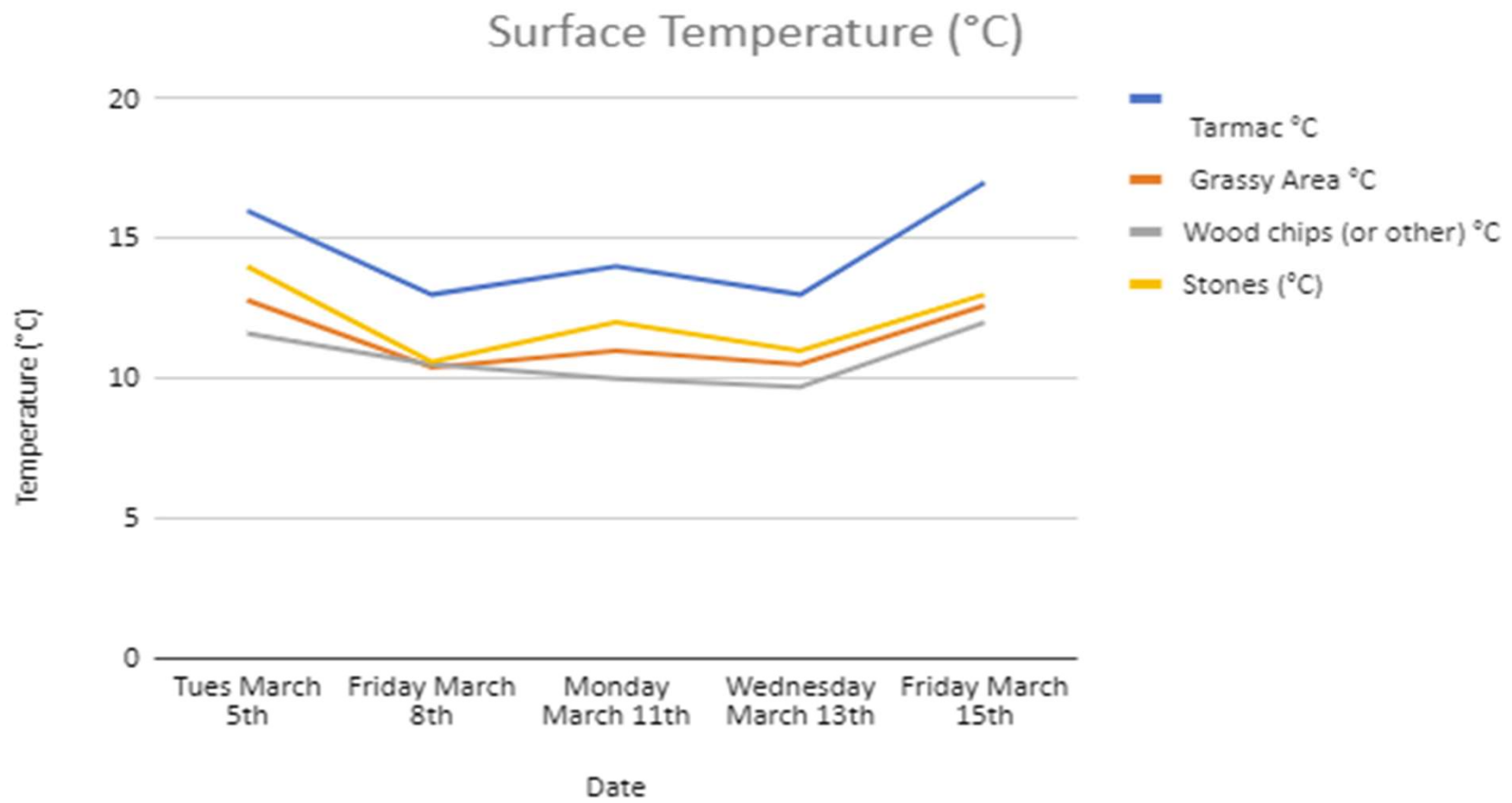
The volunteer group used thermometer guns one day per week to measure temperatures in the five chosen surface areas. On each of the five days they took 9 random readings from each area. These readings were then logged and entered on a spreadsheet.



The pupils collected and shared their results with other participating schools in the programme. . The Tarmac area of the school was the warmest area surveyed. We then, as Citizen Scientists, shared our observations and findings with Globe Ireland and worldwide

Results





THE RESULTS

Next Steps

Plans to make our school a Cool school using Nature Based Solutions(NBS) where possible. We designed a plan for the school identifying key steps and constructed a Lego model to show change.

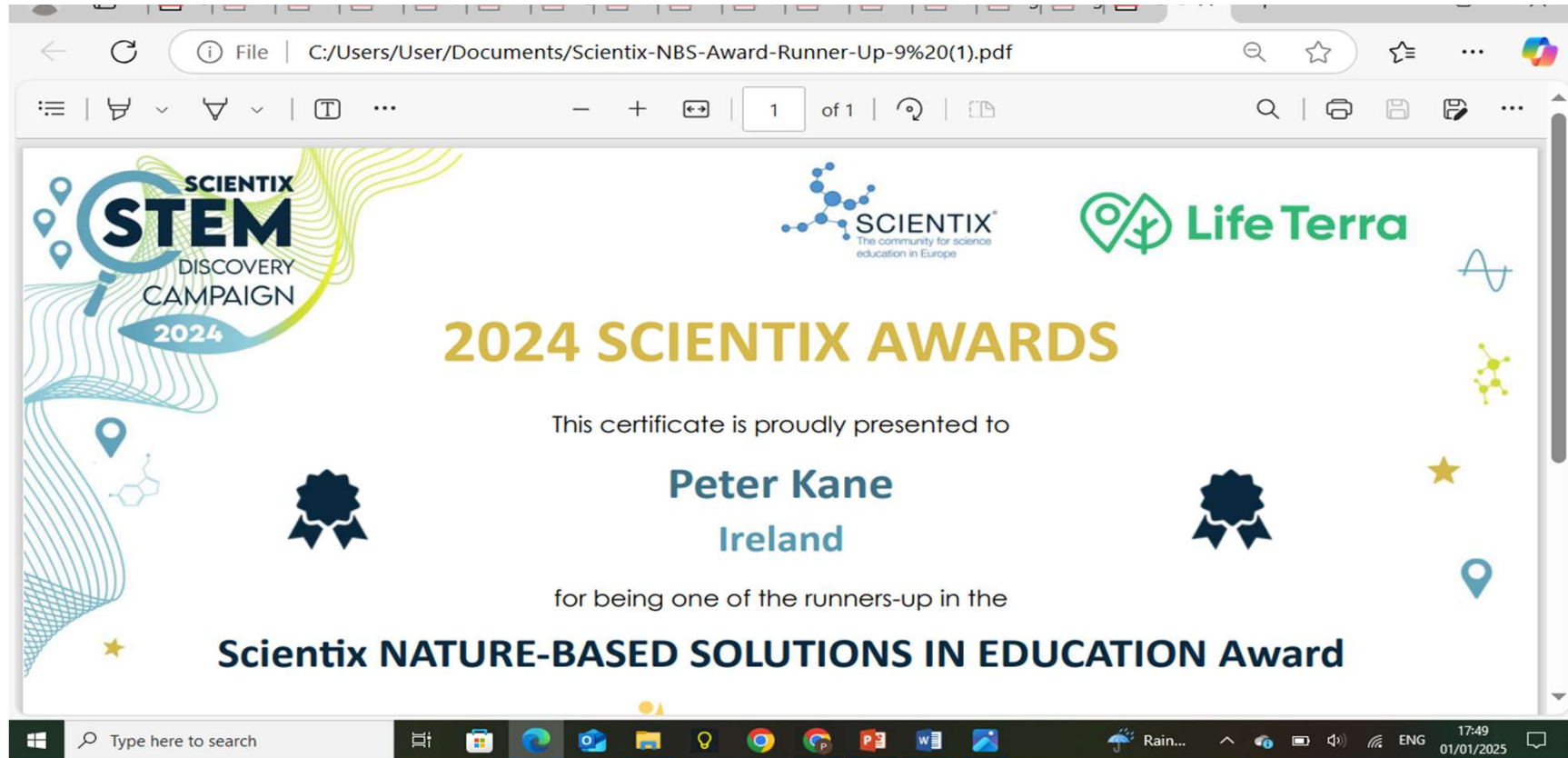


Key ideas for the future

We can help make our school cooler and adapt to rising future temperatures by using Nature Based, environmentally friendly solutions such as:

- Mini-gardens on top of our shelters
- More shelters using recycled materials such as pallets
- An additional willow dome
- External hydration station
- An awareness 'Keep Cool' campaign in the school and the local community using findings





Scientix NBS Award

We were a runner up in the 2024 “Nature-based solutions in Education’ Scientix STEM Discovery Campaign.



**NBS
EduWORLD**

NATURE-BASED SOLUTIONS LEARNING SCENARIO

Title

How Cool is your School? Getting Ready for Heatwaves!

Author

Peter Kane

Mr. Kane is a Scientix Ambassador and has submitted a **Learning Scenario** for **the** resource repositories of NBS EduWORLD, Scientix, and other NBS portals.



GLOBE IRELAND AWARD
WINNERS



MOST CREATIVE PROJECT



Kilglass National School, Galway

CONGRATULATIONS!!

Thank you for such a 'Cool' Project. We enjoyed being Citizen Scientists. We look forward to our next Globe Project. **GO RAIBH MAITH AGAT!**
SLÁN!

KILGLASS NATIONAL SCHOOL

Ahascragh

County Galway

Ireland

A COOL SCHOOL!!

