**Data collection sheet – the impact of extreme heat on your school**

The goal of your lesson today is to collect data on the how temperatures affect different rooms around your school and the factors that affect that.

The aim is to consider;

* How those factors affect temperatures in classrooms during EXTREME conditions such as a heatwave and:
* If the most uncomfortable classrooms should be changed to make our school better adepted to heatwave conditions.

Task

1. Collect the data around your school in the rooms you decided you would visit before your survey. It would be an idea to indicate the rooms on the plan below.
2. Record the room name/number and then the Temperature. Remember, the measurements should be taken in the shade and time allowed for the thermometer to adjust.
3. Use a **compass** to work out which way the **windows are facing (the aspect).** This is important as it can show which direction the sun may be.
4. Count the number of windows in the room. Then count the number of windows that can be opened.
5. If there are radiators on in the room, count those up too.
6. Tally the number of electrical sources in the room such as smart boards, computers and printers.
7. Finally, look for any evidence of air conditioning, vents in the ceiling, an air conditioning unit, air conditioning controls on the wall. The teacher in the room may know.

Map of your school site here – highlight which rooms you will sample in the school

**Room data**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Room number | Temperature | Aspect of windows | Number of windows | Number of openable windows | Number of exposed radiators | Number of sources of heat in the room (e.g. computers, smart boards) | Air conditioned? |
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**Change over the school day**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Room number | 08:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 |
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