**Fieldwork Studies – Air Pollution**

Helpful prior knowledge

Cover with the children the impact of pollution in our world. You could think about human health, environmental well-being, climate change and cleanliness.

Explain that you are going to conduct a fieldwork study that looks at where we have the most pollution and why this might be.

What do you need to prepare?

Each pupil needs a piece of sticky tape long enough to go around an object e.g. lamppost

Activity

1. Explain to the children that we often struggle to see pollution when we are walking around but it builds up over time to leave a trace. Where have they seen pollution before? E.g. Buses, cars, sides of buildings.
2. Ask the pupils to choose up to 5 locations which differ in distance from pollution sources e.g. lamppost, park bench, tree trunk
3. In the morning, set up the sticky tape. Wrap it around the chosen location with the sticky side facing out.
4. In the afternoon (or if the weather is good, a couple of days), return to the tape and look at what it has collected. It can be helpful to hold it over or stick it to a piece of white paper for contrast.
5. Fill in the table below considering as a group why some areas may be more polluted than others and how we can make a difference to pollution levels.

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| Air Pollution Scales |
| **Level 1** | **No signs of pollution.** |  |
| **Level 2** | **A few traces of pollution.** |  |
| **Level 3** | **Thin cover of pollution on the sticky tape.** |  |
| **Level 4** | **Pollution on the sticky tape.** |  |
| **Level 5** | **Heavily coated sticky tape** |  |

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| **Site** | **Sample** | **Comment** |
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