



**LET'S
WALK TO
SCHOOL**

Important: Adult assistance/supervision is highly recommended when punching a hole into the paper plate/card.

Pollution catcher activity

Materials:

- White paper plate, index card, or cardstock
- Petroleum jelly (e.g. Vaseline)
- String or yarn
- Hole puncher (optional)
- Magnifying glass or microscope
- Permanent marker (optional)



Steps to make your pollution catcher:

1. Find an area where you can hang your air pollution catcher. You can do this anywhere you like but a good area to test could be somewhere you think there is a lot of pollution (like the school entrance).
2. Start with stringing up your catcher for hanging. Carefully, using a pen, poke a hole into your paper plate (only do this with an adults help) or use a hole puncher. Then pull your string through the hole and tie it together to make a loop.
3. Write on your plate or card with your permanent marker the date and location you plan to hang your catcher. This will help you remember when you should take it down and if you want to compare other areas.
4. Carefully, spread a thin layer of petroleum jelly onto one side of your plate or card. Wear washing up gloves to do this or wash your hands well afterwards.
5. Hang the paper plate in your chosen area and leave for 3-7 days (try to put it out when the weather is dry-if it gets too wet it won't work!)
6. Retrieve your paper plate and use a magnifying glass or microscope to see if there are any particles stuck to the petroleum jelly.

What do you notice? Are there a lot of particles or just a few? How do you think the particles in the air affect the air quality and our ability to breathe well?

Share snaps of what you create with your project coordinator and tag us:

  @LivingStreets  /LivingStreetsUK  @livingstreets.bsky.social



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