KNOWLEDGE HUB - EDUCATIONAL MATERIALS

Classroom kit: the sky above your town (ages 10-14)

Version 1.0 · For schools and local businesses · Four sessions

Four sessions of 45 minutes to work on light pollution with a class, without buying anything. Each session has an objective, a five-minute introduction, an activity and a closing question. No prior knowledge of astronomy is needed - only a window and a smartphone.

Session 1 - What we lose when we light everything

- Activity: count the stars visible in a photograph of the sky from the schoolyard, then compare with a reference image of a dark sky.
- Closing question: who decides how much light our street has?

Session 2 - Light is not the enemy; wasted light is

- Activity: map the lights visible from the classroom window and classify them (useful, excessive, useless). Photograph and label.
- Material: one printed map of the school neighbourhood per group.

Session 3 - The animals that navigate at night

- Activity: match five species with the way light affects them (insects, bats, birds, turtles, moths). Then write a one-line argument for the mayor.
- Closing question: what would you change first, and why?

Session 4 - Our proposal to the council

- Activity: prepare a two-minute presentation with one photo and one request.
- Output: a class letter to the local council. Schools that sent it received an answer in 7 of 9 cases in the pilot.

The kit is free for schools and for businesses that run educational visits. A printable version for photocopying is included at the end of this document.