

FOUR FEATURES FOR HEALTHY, GREEN SCHOOLS



1. INDOOR AIR QUALITY & VENTILATION

Every **100** parts per million increase in CO₂ was associated to a roughly **one-half day per year reduction in school attendance**¹

2. DAYLIGHTING & LIGHTING

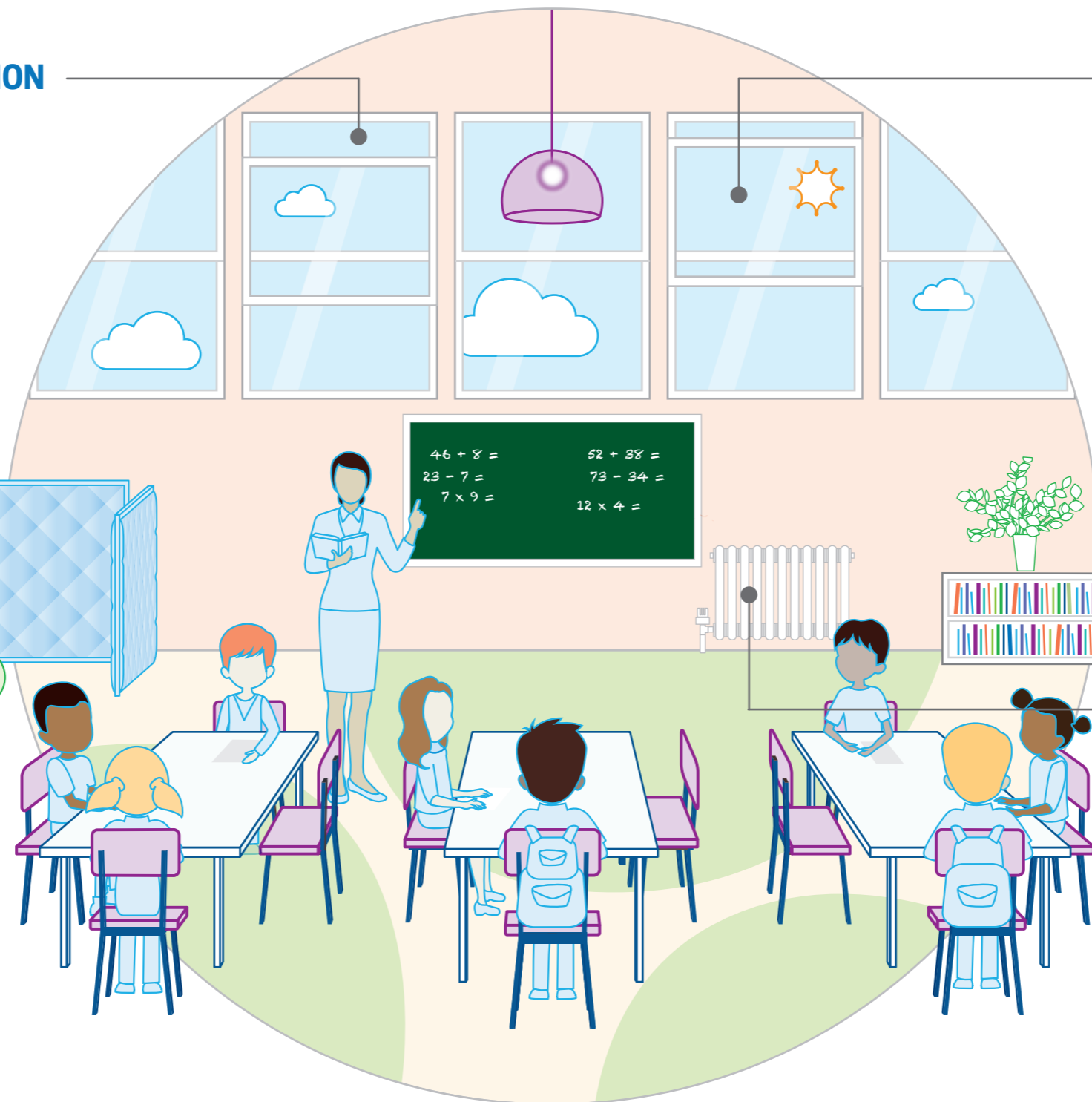
Students in the US showed a **36%** increase in oral reading fluency when exposed to high-intensity light, while those in standard lighting conditions increased by only **16%**²

4. NOISE & ACOUSTICS

Noise can hurt test scores: for every **10** decibel increase in noise, the language and math scores of French students decreased by **5.5 points**⁴

3. THERMAL COMFORT

Students citing their classroom as 'comfortable' achieved **4%** more correct answers in a math test compared to those who were hot³



1. Gaihe, S., Semple, S., Miller, J., Fielding, S., Turner, S. (2014) Classroom carbon dioxide concentration, school attendance, and educational attainment. J Sch Health. 84(9):569-74.
 2. Mott, M. S., Robinson, D. H., Walden, A., Burnette, J., & Rutherford, A. S. (2012). Illuminating the effects of dynamic lighting on student learning. Sage Open, 2158244012445585.
 3. Haverinen-Shaughnessy, U., Turunen, M., Metsämuuronen, J., Palonen, J., Putus, T., Kurnitski, J., & Shaughnessy, R. (2012) Sixth grade pupils' health and performance and indoor environmental quality in Finnish school buildings. British Journal of Education Research, 2(1):42-58.
 4. Pujol, S., Levain, J. P., Houot, H., Petit, R., Berthillier, M., Defrance, J., & Mauny, F. (2014). Association between ambient noise exposure and school performance of children living in an urban area: a cross-sectional population-based study. Journal of Urban Health, 91(2), 256-271.

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