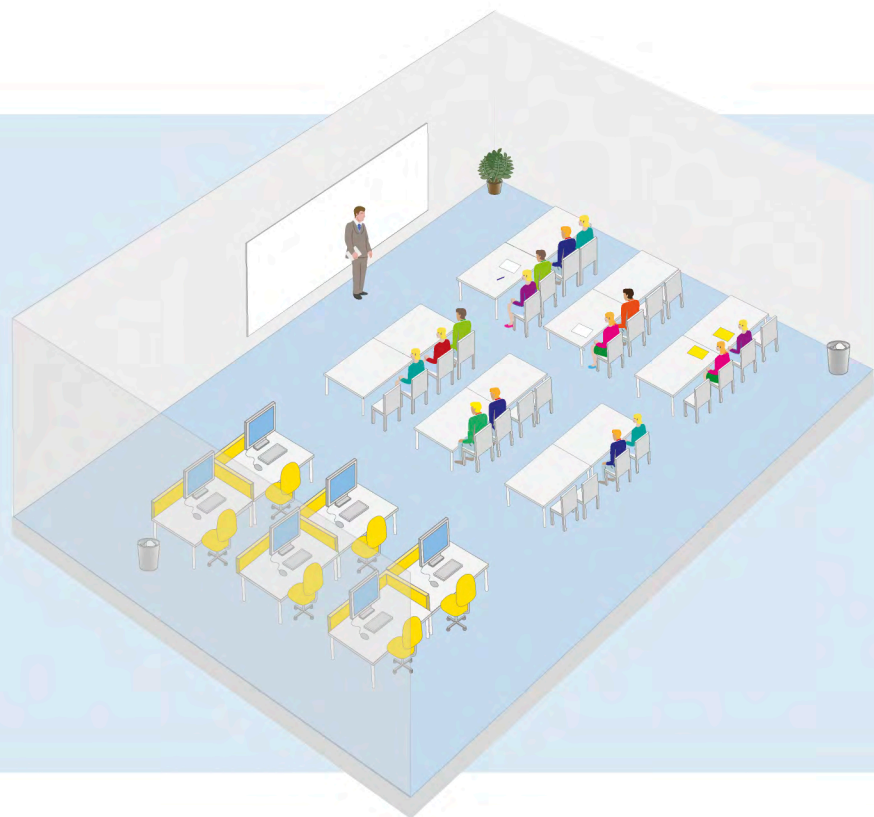


# A step-by-step guide to

## improve the acoustics in traditional classrooms

Ecophon carried out a pilot in the Westerpark School in Amsterdam to improve the acoustics and create better study conditions. The classrooms (Location 4) were modified to meet three different levels of reverberation time (Locations 3, 2 and 1). This way, teachers and pupils could experience the difference in the acoustics according to the latest Dutch classroom acoustic recommendations, "PvE Frisse Skolen". This is what we did!

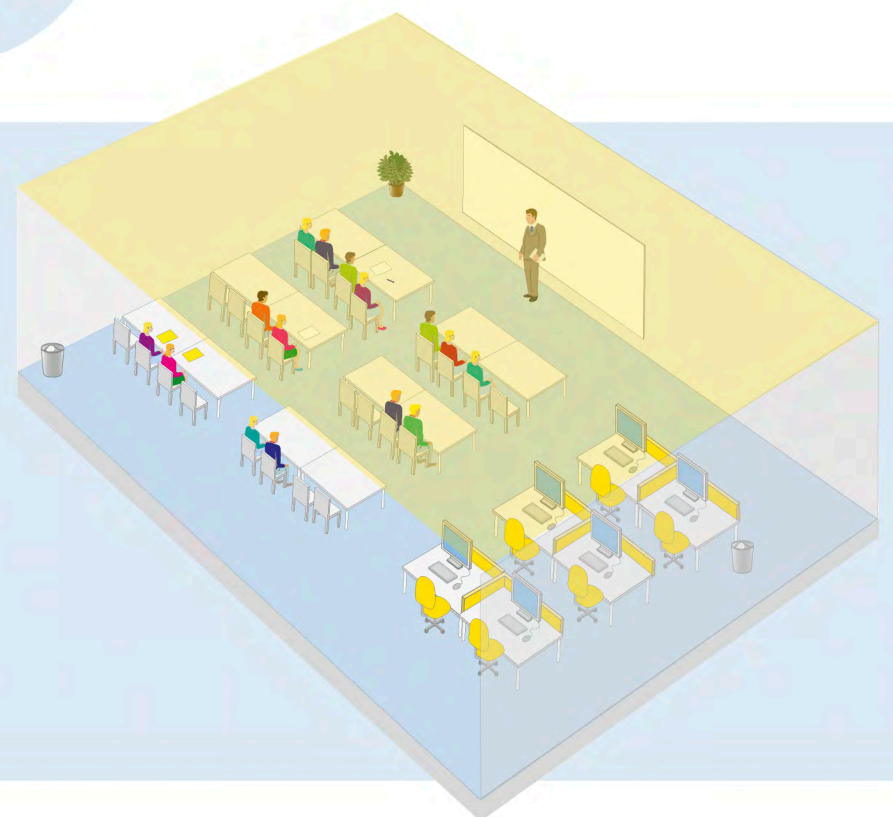


1

Existing classrooms:  
Reverberation time 0.7s.

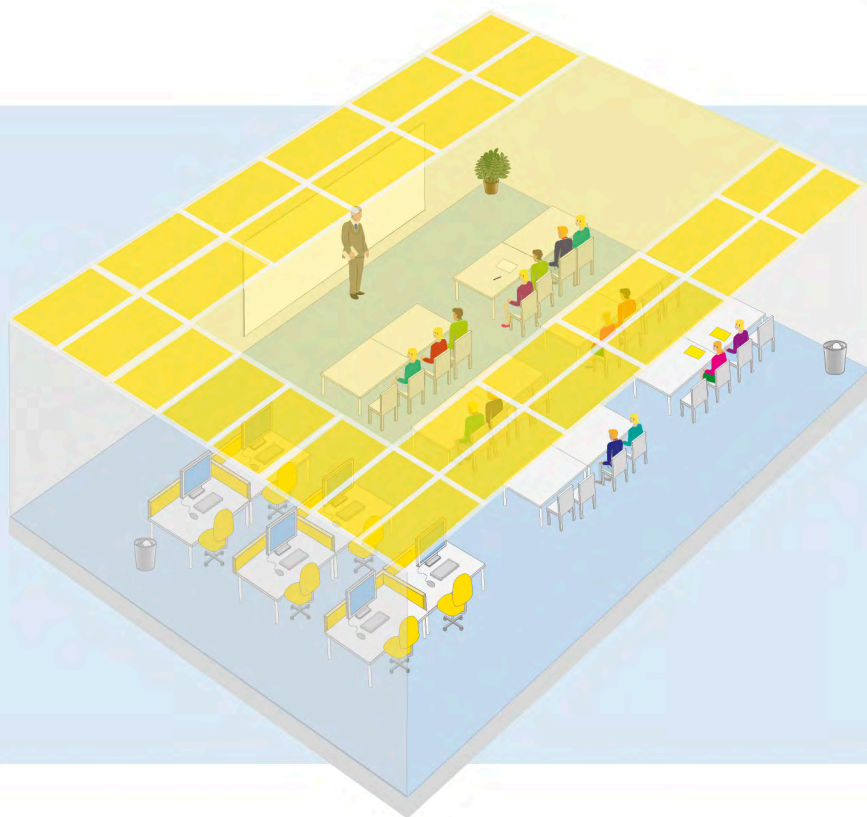
Classroom refurbished with  
"Class A" absorbing ceiling:  
Reverberation time 0.6s.

2



3

Classroom refurbished with  
"Class A" absorbing ceiling and  
additional low frequency  
absorption with 50% coverage:  
Reverberation time 0.5s.



4

Classroom refurbished with "Class A" absorbing ceiling, additional low frequency absorption with 100% coverage and four additional wall absorbers: Reverberation time 0.4s.

