

Case Story

Problem:

At John Burroughs School the art students and teaching staff were concerned with their health when they worked with dusts from mixing and fumes from various paints, oils, and solvents. There were four main classrooms; a ceramics classroom a welding shop, a classroom for painting and the sculpting classroom. Ventilation consisted of a box fan placed nearby with no filtration.

Solution:

For the ceramics and sculpting rooms, a Filterbox with silencer was installed to capture contaminated air and recirculate it back into the facility. At each point where particulate was being generated (mixing bowl, when bags of dry powder were being opened, etc.) an Original Extraction Arm was installed to overhead ducting and into a central duct line that ran back to the Filterbox. Extractor Kits and small extractor arms were used when solvents, oils, and paints were used.

Result:

All of the operators were pleased with the performance, especially the noise of the units. Each room has a separate filtration unit and when filtration was not involved a blower was used and the particulate was exhausted outside the facility. Users liked the mobility of the Extractor Kits, as well as the capturing abilities of the arms. Cleanup was accomplished much easier and health concerns are at a minimum.

