



When SES Senior Electrical Designer, Rich Coburn, learned about Indigo-Clean technology through a lighting rep, he knew it was a great product, but just wasn't quite sure where to use it. Previously, the disinfecting lighting was primarily used in healthcare settings, however, Rich discovered another great application for the technology: Chelsea High School's new weight room addition. Fitness facilities are not only high-use spaces, but they're teeming with bacteria from sweat, dirty clothes, constantly used floor mats and heavy respiration. Additionally, weight training spaces generally rely on users to clean off the equipment they utilize, and for middle and high school students, that's not always done properly. Indigo-Clean's hands-off, thorough method was optimal for this setting.

Indigo-Clean provides continuous, whole-room disinfection, without the need for any additional staff, training, chemicals, or other consumables. Taking advantage of light's reflective properties, it bounces off walls and other surfaces, reaching the many shadowed areas that other disinfection technologies can miss. And perhaps most importantly, because it utilizes the visible light spectrum, the space can be safely occupied, even during the highest levels of disinfection.

In order to ensure successful disinfection, it's critical to get the proper dose of lighting for the space. Rich worked with the lighting manufacturer, Kenall, to calculate this dose, based on the size of the room, the height of the fixtures, and other variables.

Indigo-Clean was initially chosen to minimize bacterial and fungal transmission in the high-use area. However, shortly after specifying the equipment, the COVID-19 pandemic struck, further confirming the value of the technology as, in addition to bacteria, it is also effective at killing viruses, including SARS-CoV-2, Influenza-A, and staph, such as MRSA.

The district is incredibly happy with this technology, as it provides continual protection without any additional effort or maintenance. Since implementing it at Chelsea High School, SES has gone on to share the technology and its success with other school districts and are currently incorporating it into other school districts' wrestling and weight rooms.