The Classroom and Physics

The reason teachers are required to modify their voice is not a matter of profession, it is a matter of physics. The law of the inverse square has been found countless times, whether or not you use the mimic (or any other audio distribution system). The more you get from a source, the lower the intensity.

Even rooms, when a teacher turns to the notes on the board, the light diminishes. The projection causes tones to change. To some, the teacher is now yelling. This is not conducive to teaching and learning.

Through the use of technology, like the MimioClarity™ system, we have the ability to better provide clarity to the classroom. A teacher can speak as if they are 18 inches away from the person with whom they are engaging. This can provide clarity to the classroom.

If we modify the classroom with speakers located strategically around the room, we can not only amplify the teacher’s voice, we can also ensure that every student in the room will be in a position to hear the teacher’s voice as well as all other multimedia audio at a level +15dB above the background noise.

Technology, Hearing, and Learning

The ability to hear is critical to a student’s speech and language development, and hearing loss causes delays in the development of speech and language skills. Consequently, these delays lead to hearing problems as well as poor academic performance and behavior.

A teacher’s voice, and other multimedia audio +15dB

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In short, we add naturally voice inflections and tone to add to the expressiveness of the lesson and material. This can provide clarity to the classroom.

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Hearing and Impairment

In addition, many students have conditions, such as Auditory Closure and Auditory Process Disorder, where they can hear, but distracting noises interfere with them processing information properly.

Happy Teacher. Happy Students.

How Sound Travels in the Classroom

The inverse square law is the key to understanding how sound travels. The law of the inverse square has been found countless times, whether or not you use the mimic (or any other audio distribution system). The more you get from a source, the lower the intensity.

The reason all teachers are required to modify their voice is not a matter of need, it is a matter of practicality. The law of the inverse square has been found countless times, whether or not you use the mimic (or any other audio distribution system). The more you get from a source, the lower the intensity.

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1 https://www.additudemag.com/what-is-auditory-processing-disorder/