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## A Study of Rehearsal Space and Student Numbers at Forsyth Central High School

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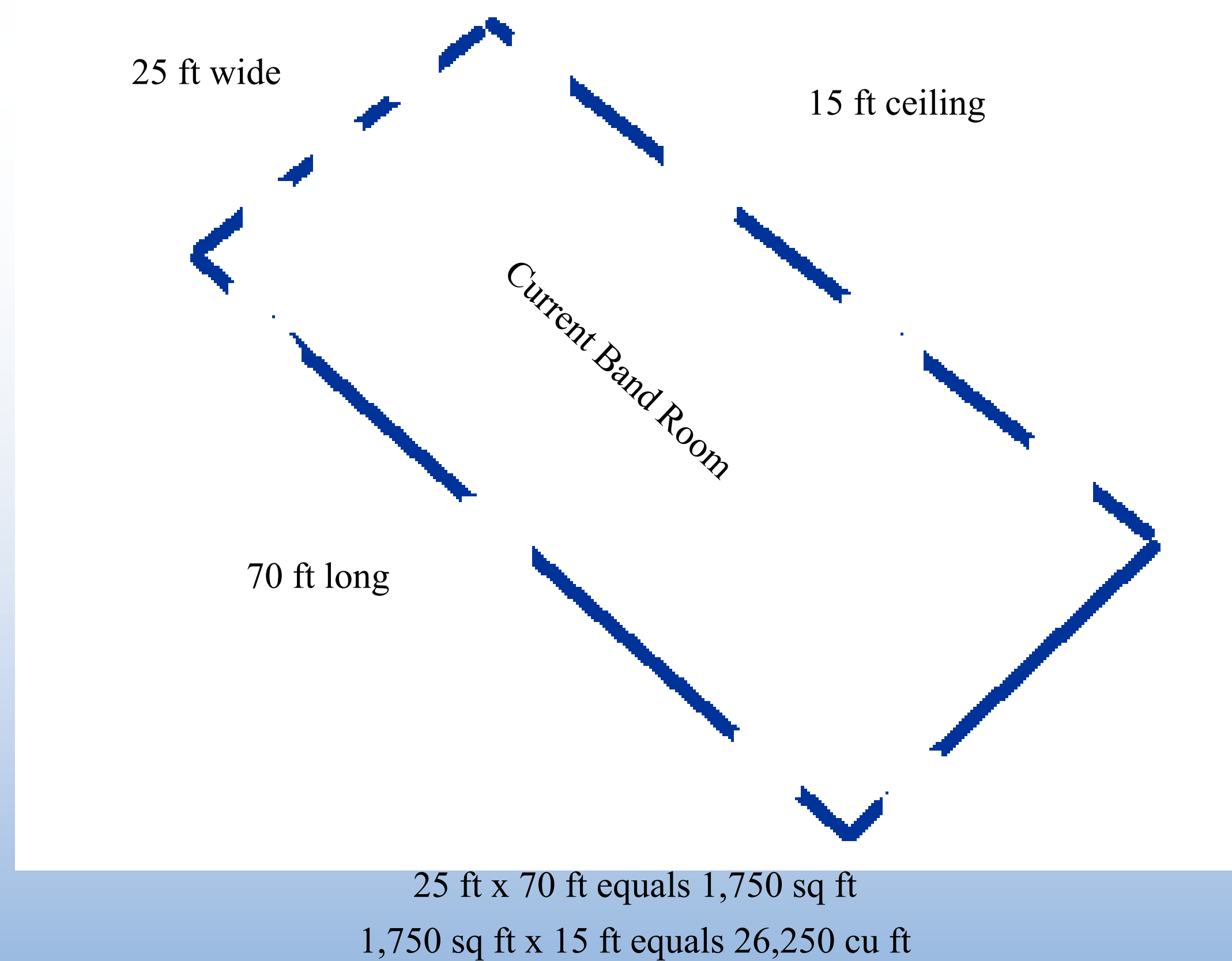
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# Is My Band Room Safe for My Students' Hearing?

Patrick Denney

## The Current Band Room

The object of this study is to determine whether the band room that I currently use is appropriate for the current number of students in my program and whether it will continue to have the proper amount of space for the foreseeable future. The study will use numbers for appropriate size from the National Association of Schools of Music and the Wenger Corporation, an accepted expert in the field of designing music rooms, suites, and buildings. I will compare different designs from other schools in the district and some designs from neighboring districts.



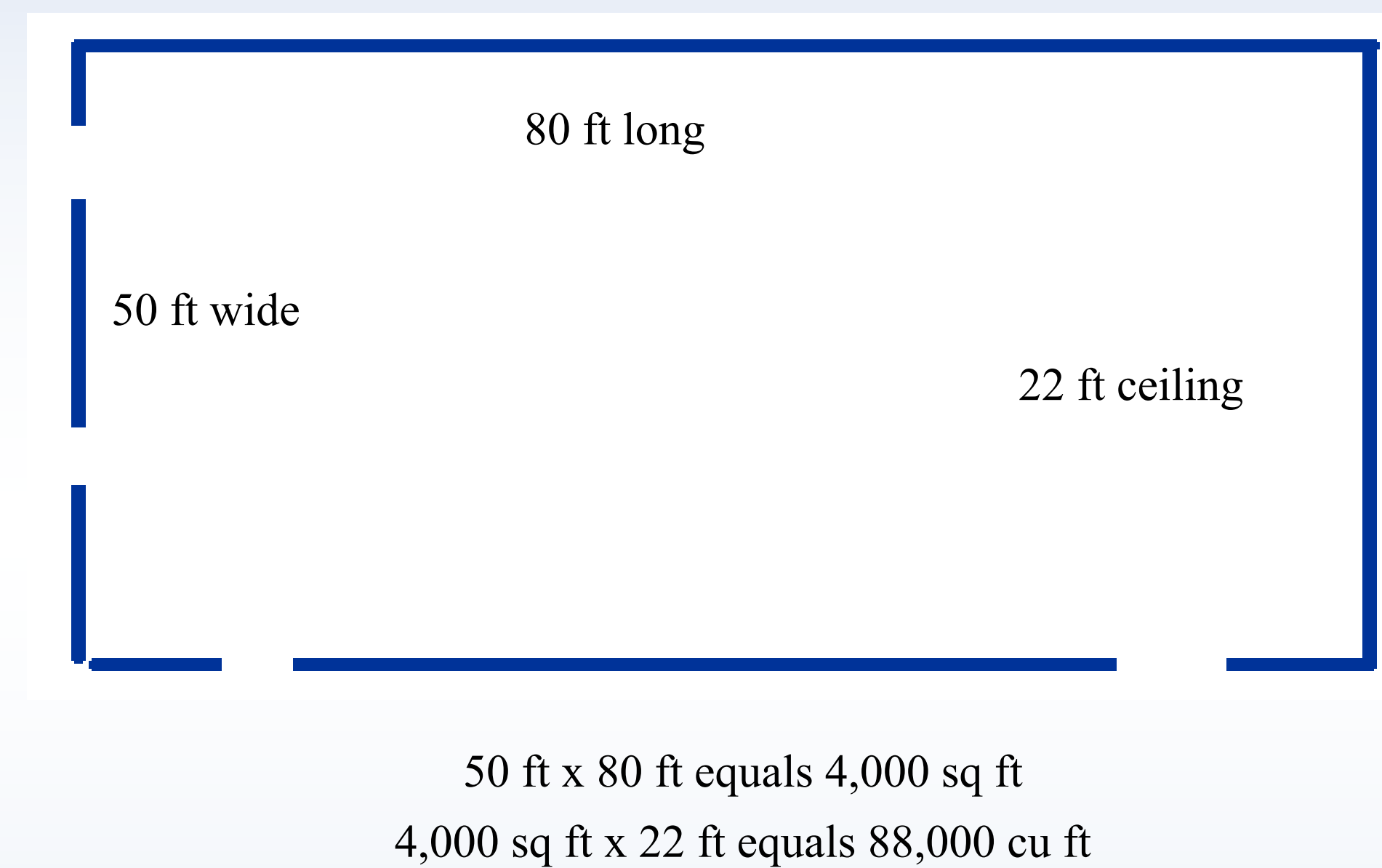
According to the Wenger Corporation, a typical band rehearsal space (60 -75 students) should be: 2,500 sq ft with a ceiling height of between 18 - 22 ft.

That would make for a total volume of space between 45,000 and 55,000 cu ft.

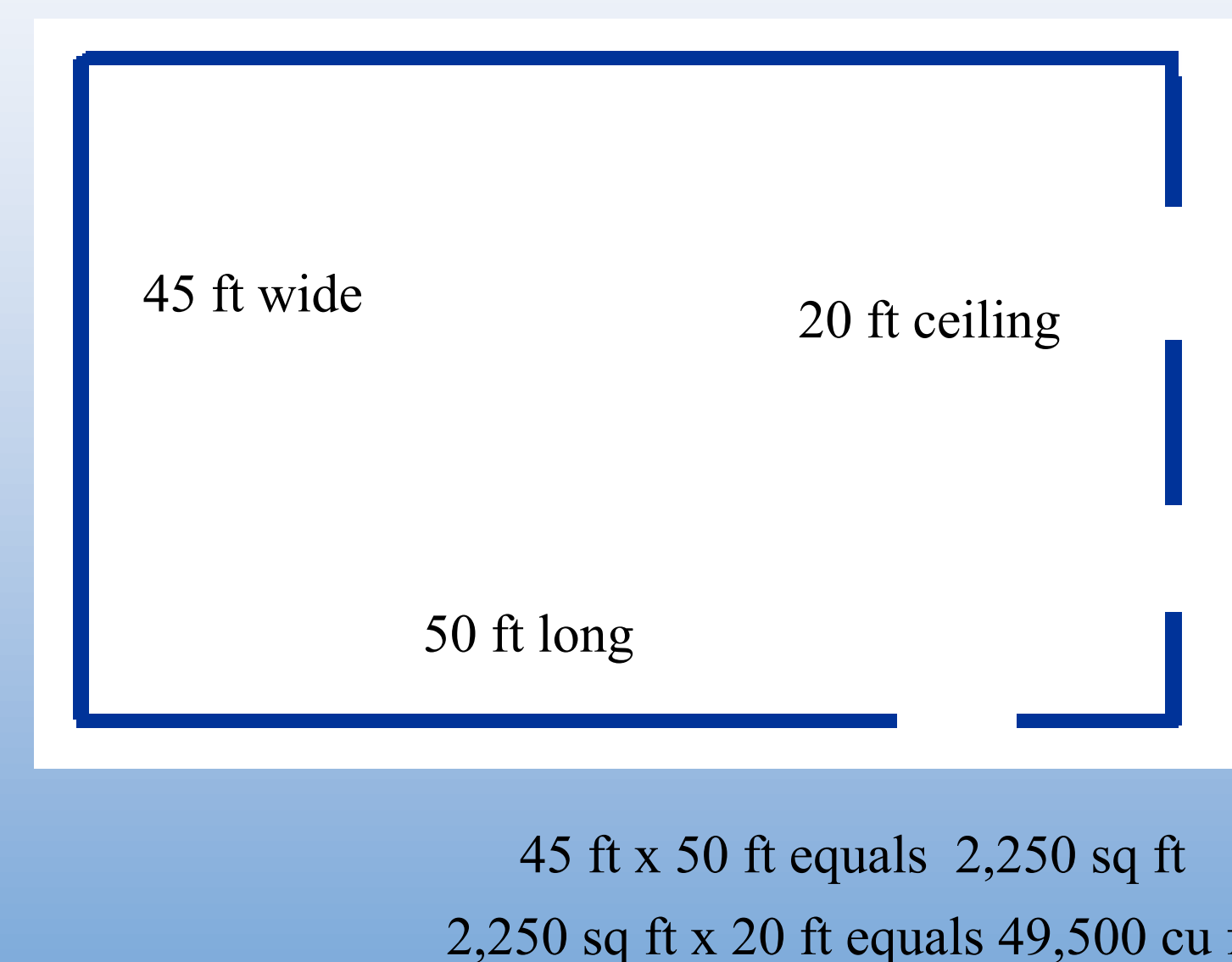
## Comparable Band Rooms

I collected data on band room size for two band rooms in my same county and two band rooms in a nearby county. Below will be the data from one school from each county.

School 1:



School 2:



## The Number of Students

I went about researching how much space was normal for a program the size at my school, but since the current number of students has been affected by the number of students who opted for virtual learning during the COVID-19 pandemic, I also wanted to include some past numbers and projections for the future. The purpose being to determine if the volume of space presently available in the band room is sufficient for the aural health of both students and faculty of my program, both now and in the future I used current numbers, five year averages, and projected numbers for the largest class at my school and the current numbers and five year averages for the schools from which I was able to get data.

My school: Current number: 55	Five year average: 72	Projected: 78
Square feet per student:		
Current: 32 sfs	Five year average: 24 sfs	Projected: 22 sfs
Cubic feet per student:		
Current: 477 cfs	Five year average: 365 cfs	Projected: 337 cfs

School 1: Current number: 75	Five year average: 86
Square feet per student:	
Current: 53 sfs	Five year average: 47 sfs
Cubic feet per student:	
Current: 1,173 cfs	Five year average: 1,023 cfs

School 2: Current number: 65	Five year average: 81
Square feet per student:	
Current: 35 sfs	Five year average: 28 sfs
Cubic feet per student:	
Current: 761 cfs	Five year average: 611 cfs

Wenger Corporation minimums:	
Square feet per student: 42 sfs	Cubic feet per student: 550 cfs