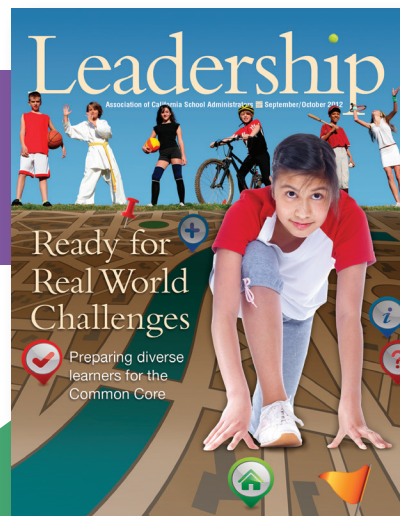


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a Quiet Transformation

Stress not only contributes to violence and behavior issues, it impacts focus and memory, fundamentally impairing a child's ability to learn and make good decisions.

My 40 years as an educator have led me to an important insight: stress is crippling our schools. The students at San Francisco's Visitacion Valley Middle School, where I was principal for the past 12 years, face drugs, gangs and violence every day. Most of the students in our school have a family member who has been shot, who did the shooting, or who saw a shooting. The majority are on free or reduced-price lunch. Many have little or no parental support.

On top of these extreme conditions, there is the pressure to achieve and succeed in a fast-paced, chaotic world. All of these circumstances together compromise the physical health, and in turn the cognitive and psychological capacity, of our students. This pervasive stress also compromises our teachers' ability to teach effectively and survive in the teaching profession.

As a result schools like ours have many problems: low attendance, violence, low performance, and high teacher turnover. This pattern in low SES communities is so

common it is almost an assumed outcome – the predictive power of demographics. In our case, students reside in zip codes 94124 and 94134. Based on these zip codes, our students' ethnicity, and the fact that few of their parents attended college, educational researchers feel they can predict our students' attendance rate, behavior, test scores, and overall academic achievement.

New initiatives fail to stem tension

In the first eight years of my tenure as principal we introduced many new initiatives, engaging community organizations offering afterschool tutoring, sports, music, peer support and counseling services in an attempt to improve the school conditions. There was improvement, but at the end of 2006 there was still a lot of stress and violence. Even though we established clear behavior goals for all students and common standards for all teachers to uphold, high tension and turmoil remained, impairing

By James S. Dierke

the learning experience. Fighting was prevalent in our school throughout the day, so much so that we were known as the “fight school” in the district. Fear, sadness and tension dominated the school climate.

At this point we looked for options that would directly address stress. We came across a program known as Quiet Time, an innovative, high impact stress reduction and readiness-to-learn initiative that integrates meditation (yes, meditation, not meditation – we already had that) into the daily routine of the school.

A break from pressured activities

Quiet Time was developed by Washington, D.C. Principal George Rutherford at the Fletcher Johnson School in the early 1990s. I spoke to Rutherford, who told me that after he implemented Quiet Time, the fighting at his school diminished significantly and his students started learning more. So I invited the Center for Wellness and Achievement in Education, a local non-profit that teaches meditation to students, to help us develop and implement the Quiet Time program at our school. Our teachers voted to adopt the program, with 95 percent in favor. We applied for funding from the David Lynch Foundation and launched the program in January of 2007.

For QT (Quiet Time) we created two mini class periods of 15 minutes, one in the morning and one in the afternoon. We used our homeroom class period and a few minutes from lunch and our passing periods to create these two class periods. In QT, our students get a break from all of the pressured activity in their lives – 15 minutes of total peace and decompression.

Every morning after the teachers take role, an announcement goes out to every classroom: “Teachers and students, please prepare for Quiet Time.” Then teachers have students clear their desks, face front and a quiet bell is rung. The students close their eyes and for the next 15 minutes, an effulgent peace engulfs the school. No noise anywhere – safe, quiet, peace.

Afterwards, the students move into their

academic classes more settled, clear and ready to learn.

All students and teachers are offered training in an evidence-based meditation technique called Transcendental Meditation. This meditation was selected because comparative research indicated it is particu-



larly effective at reducing stress and supporting healthy brain development.

In QT the students either meditate, or sit quietly and rest. The teachers watch over the students and maintain a safe environment. The teachers themselves meditate before school, during their prep periods, or after school.

When we first started QT, we implemented the program in sixth and seventh grades, with the eighth grade as a control group. Over the next four months we observed remarkable changes. The first thing we noticed is that the sixth and seventh grade referrals went down and the eighth grade referrals increased.

Multi-day suspensions down 43 percent

Similarly, when we looked at suspensions, we noticed they were dropping in the sixth and seventh grade and rising in the eighth grade. When we looked at multi-day suspensions, which are associated with more serious, usually fighting-related infractions, there was the largest differential. The multi-day suspensions for the QT stu-

dents went down 43 percent relative to the non-QT controls. Fighting in PE in the sixth and seventh grade dropped by about 60 percent. It stayed the same in the eighth grade.

We also observed that during the STAR testing, the sixth and seventh graders were remarkably focused, while the eighth grade

Actor, writer and producer Russell Brand joins 400 students in meditation at Visitacion Valley Middle School in December 2011.

was more rowdy, consistent with our normal experience. When we received our test results, we looked at the QT student scores relative to the prior year, compared to the non-QT students. We found that the QT students improved much more in math and language arts than the controls. The biggest gains were in the below basic and far below basic groups. This data was the first sign that Quiet Time was helping us overcome the predictive power of zip codes.

The other thing I noticed as the end of the school year approached is that our teachers were absent less. Usually anywhere from two to 10 teachers would be absent in spring as the wear-and-tear of the year took its toll on the staff. But I was noticing many days where no teachers were absent. When we looked at the data, we found that teacher absenteeism due to illness went down 30 percent over the prior year.

In year-end school surveys our teachers

cited Quiet Time as the most impactful program in the school, helping improve school climate, teacher health and student engagement. In student surveys, 85 percent of students reported that QT reduced their stress levels, increased their focus, improved health, and reduced violence in the school.

Over the next four years we saw continued impact at our school as a result of the

Interestingly, the standardized psychological tests we have administered since the start of QT indicate as our students' stress levels go down their self esteem goes up. As students become less stressed and more confident, we have seen increased engagement as indicated by increased attendance and GPA.

Every year at our school we have a huge influx of new students. As much as 70 per-

found that the stress experienced in low SES communities is significantly higher than other communities, and this stress impairs healthy brain functioning (National Academy of Sciences, 2009). These brain impairments, among other things, compromise a student's working memory, which in turn compromises the ability to learn.

Specifically, working memory is essential to language comprehension, reading and problem solving, and it is a critical prerequisite for long-term storage of information. Stress not only contributes to violence and behavior issues, it impacts focus and memory, fundamentally impairing a child's ability to learn and make good decisions. In summary, the researchers at Columbia found that poverty leads to higher stress, which leads to poorer working memory. Our experience and the research indicates that there is a fundamental need to address the problem of stress in order to overcome the predictive power of poverty and position our students so they can grow and excel.

The Quiet Time program has provided this for us. It is by far the most impactful, transformational program that I have seen in my 40 years of education. By reducing the individual and collective stress levels and fostering a positive school climate, it creates a foundation for all of our other school initiatives to be more successful. Students are engaged and learning more.

Joy and cooperation at all-time high

In the past, almost none of our students went to the top high schools (San Francisco has an open enrollment policy for high schools). In the last two years approximately 20 percent of our eighth graders have gone on to Lowell High School, the top high school in San Francisco, and one of the top in the country.

When I first arrived at Visitacion Valley Middle School in 1999 I was taken on a tour of the facility, and when we arrived at the auditorium the front doors were locked. I asked to see the room and the reply came, "Oh Jim, we don't use the auditorium. It is too dangerous. If we assemble a large group of students, we inevitably will have serious fights. So we don't use the auditorium."

Now we use the auditorium almost every



Quiet Time in the classroom, twice a day. When David Markus, editorial director of *Edutopia*, visited Visitacion Valley Middle School, he said, "Every once in a while, when visiting a successful school, you see something that makes your jaw drop; something so extraordinary you have to stop and make sure what you saw is actually what it appears to be."

Quiet Time program. Our district introduced a report card on number of suspensions per student enrolled. Our school went from one of the highest in the whole district in suspensions to the second lowest – a 79 percent reduction.

We saw our average daily attendance start trending up after the start of QT, and after four years it reached 98.3 percent. When the district compared the two QT schools to all of the other middle schools, there was a consistent increase in attendance in the QT schools, versus no change in other schools.

After two years of Quiet Time I started getting hand cramps from signing so many honor roll certificates. A district research department check of our student GPA showed a similar upward trend in GPA. Most encouraging was the fact that the greatest GPA increases were occurring in the lowest-performing demographics, indicating closing of the achievement gap.

cent of our student body is new every year. This last year there was a particularly large influx as the result of a neighboring school closing. We absorbed many students from the highest suspending school in the district. At the beginning of the year we saw our behavior problems increase dramatically, reminding us how our school was five years ago. But as the year progressed the students became more and more acclimated, and by the end of the year a high degree of harmony was reestablished.

Enhancing students' working memories

What have we learned? After managing strife and violence year in and year out for several decades of my career, I realized that no matter how much effort we put into teaching, if we don't effectively address the pervasive underlying tension and trauma experienced by our youth, we can't make real progress. And the research supports this. Researchers from Columbia University

day, often with our whole student body. The level of joy and cooperation between our students and our staff is at an all-time high, and our teacher turnover rate has gone down close to zero.

Most inspiring for me is that our students are more happy and positive. My staff and I have enjoyed seeing the friendliness and joy of our students grow. In the last California Healthy Kids Survey, our students reported the highest happiness levels in San Francisco. You do not expect that from zip codes 94124 and 94134, neighborhoods that experienced 41 murders from 2005 to 2007.

The last five years have been the most uplifting of my career. I have a renewed hope. I have concluded if we truly address the needs of the whole child we can make dramatic

leaps forward in our educational success. But we need to think outside the box and address the healthy brain development of our students and staff.

On the surface, it appears crazy to some educators that we have two 15-minute periods a day when our students “do nothing.” In reality, they are not doing nothing; they are collecting themselves so that the rest of the day is much more productive.

The Quiet Time program is a cutting-edge, 21st century educational initiative I believe can help us realize the goals of modern education: help our students grow into healthy, well educated, well adjusted, happy, contributing members of society. I retire with the lowest blood pressure I have had in 10 years and a great optimism about our

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