If you don't implement a research based improvement strategy with full fidelity, don't waste your time or money. It will not get results!

Dr. Terry Grier, Executive Director Pure Edge, Inc.

In schools, as opposed to labs or other controlled environments, every day is different – field trips, assemblies, fire drills and personal events influence the way students enter each class. Our focus on fidelity looks at Pure Edge programs within this context to inform program improvement, support research rigor, and help prevent findings, desirable or otherwise, from erroneously being attributed to versions of our programs that from a fidelity standpoint, are not our programs.

Studying fidelity dates back to program evaluation work in the 1970's^{1,2} and has been carried forward into education^{3,4,5} and mental health⁶. It is increasingly being tied to rigor in the social and emotional learning and mindful schools movements^{7,8,9} as the field recognizes programs that think about fidelity yield better outcomes ^{6,10}. Clearly, implementing programs with fidelity has implications for program quality and outcomes. Both of which are at the heart of a call for "genuine collaboration"¹¹ between program providers and researchers.

As we work to achieve and maintain a "genuine collaboration" we are committed to a focus on fidelity and have presented our research findings in papers ^{12,13,14}. and at several conferences:

- International Association of Yoga Therapists Annual Meeting (June 2013, September 2015)
- Kripalu Yoga in the Schools Research Summit (April 2014, February 2015, March 2016)
- National Kids Yoga Conference (November 2015, October 2016)

This history of thought work, trial and refinement has led to the development of our fidelity resources which include: session (lesson) plans from our curriculum, pacing guides, our Fidelity Observation Form (FOF), instructor surveys, a white paper on fidelity, and a dataset that includes actual classroom observations from our programs. Each is designed to address one or more aspects of program fidelity and contribute to our overall understanding of what actually happens in *Pure Power* classrooms.

References

¹ Charters, W. W., & Jones, J. E. (1974). On neglect of the independent variable in program evaluation. Eugene: University of Oregon, Project MITT.

² Scanlon, J. W., Horst, P., Nay, J. W., Schmidt, R. E., & Waller, J. D. (1977). Evaluability assessment: Avoiding type III or IV errors. In R. Gilbert & P. J. Conklin (Eds.), Evaluation management: A source book of readings. Charlottesville: U.S. Civil Service Commission.

³ Feagans Gould, L., Mendelson, T., Dariotis, J. K., Ancona, M., Smith, A. S. R., Gonzalez, A. A., Smith, A. A., & Greenberg, M. T. (2014). Assessing fidelity of core components in a mindfulness and yoga intervention for urban youth: applying the CORE process. New Directions for Youth Development, 142, 59–81.

⁴ Kisa, Z. & Correnti, R. (2014) Examining implementation fidelity in America's Choice schools: A longitudinal analysis of changes in professional development associated with changes in teacher practice. Educational Evaluation and Policy Analysis.

⁵ Pas, E. T., Waasdorp, T. E., & Bradshaw, C. P. (2015). Examining contextual influences on classroom-based implementation of Positive Behavior Support Strategies: Findings from a randomized controlled effectiveness trial. Prevention Science, 16, 1096-1106.

⁶ Kutash, K., Cross, B., Madias, A., Duchonowski, A. J., & Green, A. L.(2012). Description of a fidelity implementation system: an example from a community-based children's mental health program. Journal of Child and Family Studies, 21, 1028–1040.

⁷ Greenberg, M. T., & Harris, A. R. (2012). Nurturing mindfulness in children and youth: current state of research. Child Development Perspectives, 6(2), 161–166.

⁸ Khalsa SB, Butzer B. (2016). Yoga in school settings: A research review. Annals of the New York Academy of Sciences, February 2016, 1-12.

⁹ Cook-Cottone, C. (2013). Dosage as a critical variable in yoga therapy research. International Journal of Yoga Therapy, 23(2), 11–12.

¹⁰ Feagans Gould, L., Dariotis, J. K., Greenberg, M. T. & Mendelson, T. (2015). Assessing fidelity of implementation(FOI) for school-based mindfulness and yoga interventions: a systematic review. Mindfulness, 7(1), 5-33.

¹¹ Kutash, K., Cross, B., Madias, A., Duchonowski, A. J., & Green, A. L.(2012). Description of a fidelity implementation system: an example from a community-based children's mental health program. Journal of Child and Family Studies, 21, 1028–1040, p. 1036.

¹² Hagins, M. and Rundle, A. (2016), Yoga Improves Academic Performance in Urban High School Students Compared to Physical Education: A Randomized Controlled Trial. Mind, Brain, and Education, 10: 105–116.

¹³ Carman, J. and Parrott, A. (2016), Conducting quasi-experimental research in an urban school district: a closer look at the challenges and implications. Journal of Applied Educational and Policy Research, 2(2), 77-86.

¹⁴ Wang, D., Hagins, M. (2016), Perceived benefits of yoga among urban school students: A qualitative analysis. Evidence-Based Complementary and Alternative Medicine.