Neuroscientific research documenting the interconnectedness of social, emotional, intellectual, and physical well-being is well-established. Healthy cognitive, intrapersonal, and interpersonal skills require regulation of the limbic system. Embodied mindfulness practices – with the express goal of building social and emotional competencies – support the regulation necessary for students to engage their prefrontal cortex and build the additional skills necessary for learning and healthy interactions. Children and youth need to move and connect with sensation in the body is a particularly effective way to explore mindfulness. Practices derived from yoga1 serve to enhance existing efforts around social and emotional growth through the development of biological self-regulation skills. When mindfulness and yoga are taught together, each become more powerful teaching tools to cultivate inner resources that maximize resilience and support healthy navigation of challenges internally and externally:

- **Mental Health**: *Kansas Communities that Care* data show increased levels of depression2 and conflict.3 Mindfulness and yoga may have beneficial effects on outcomes related to children’s psychological well-being, such as reducing anxiety4 and depression,5 alleviating stress,6 and improving mental health.7

- **Physical Health**: *Kansas Model Grade-Level Outcomes for Physical Education* refer to the value of body awareness, awareness of breath, strengthening and stress-reducing benefits of yoga.8 Studies have found that mindfulness reduces blood pressure9 and enhances sleep quality10 in high school students. Research also suggests that yoga enhances physical well-being,11 physical fitness,12 and balance, strength, and flexibility in youth.

- **Social and Emotional Skills**: *Kansas Social, Emotional, and Character Development Standards*13 note that “personal and academic success are built upon the ability to consider thoughts, understand feelings and manage one’s responses” and the *Kansans Can Competencies Framework*14 provides a process for embedding intrapersonal, interpersonal, and cognitive skills necessary for lifelong learning including those such as self-care. Mindfulness and yoga may have beneficial effects on a variety of social-emotional outcomes15 such as improved biological self-regulation,16,17 reduced hostility,18 and fewer problem behaviors,19,20 and aid in developing a well-regulated foundation to support student engagement and further skill development.

- **Academic Performance**: *Kansas Communities that Care* data indicates that approximately 37% of youth were at risk of academic failure in 2019 based on questions about their grades.21 Mindfulness and yoga may have beneficial effects on academic performance, such as improvements in quarterly grades22 and high-stakes test scores,23 and preventing declines in Grade Point Average (GPA).24

**A NOTE ON EVIDENCE-BASED PRACTICE**

Implementation of an evidence-based practice is a three-part process of integrating best available science (1) with clinical judgment (2) within the context of patient values and beliefs (3).25 Emerging science in the fields of psychology, social work, developmental disabilities, rehabilitation, school mental health, and medicine indicates that yoga and mindfulness-based practices do indeed, have particular benefit when used preventively and/or as part of a holistic intervention regimen.26
- Are an effective treatment for stress, anxiety, depression, trauma reactions, and physical pain, amongst other concerns, in adults and children.\(^7\)
- Increase attention and promote social-emotional learning and academic outcomes.\(^15\)
- Are feasible to implement within schools, but reduces stress for both students and teachers.\(^26\)
- Help children/adolescents with body and emotion awareness.\(^27\)

THE SCHOOL WELLNESS PROJECT MINDFULNESS AND SCHOOL-BASED YOGA TRAINING

The *Mindfulness and School Based Yoga training developed by The School Wellness Project is based on the available scientific literature and informed by practitioners with decades of experience in the school setting. Additionally, trainees are taught to develop yoga and mindfulness-based sequences that are sensitive to trauma, physical and developmental disabilities, a child’s developmental level, and the environmental context. In a pilot study of a 12-session wellness program for high schoolers, effects included improved emotional awareness, academic skills, and coping skills. Therefore, the Mindfulness and School-Based Yoga trainings provided through The School Wellness Project are evidence-informed practices that can be used in the provision of evidence-based practice.


References

2. Kansas Communities that Care. (2019). Depression. Retrieved 2020, May 11 from [http://kctcdataprofiledata/ProfileData/Manage/ViewQuestion?code=30120&building=0&questionId=Su15_142&riskProtective=0&surveyType=KTC&selectedSurvey=CTY&selectedCounty=30120&selectedCategory=9998&CategoryName=Depression%2FSuicide](http://kctcdataprofiledata/ProfileData/Manage/ViewQuestion?code=30120&building=0&questionId=Su15_142&riskProtective=0&surveyType=KTC&selectedSurvey=CTY&selectedCounty=30120&selectedCategory=9998&CategoryName=Depression%2FSuicide)
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For systematic review papers and meta-analyses research on yoga and mindfulness for youth, see Serwacki and Cook-Cottone (2012), Khalsa & Butzer (2016), Carley et al. (2017), Felver et al. (2015), Maynard et al. (2017), McKerrong and Huang (2018), Weaver and Darragh (2015), Dunning et al. (2018), Mak et al. (2017), and Zuoqian et al. (2014). For guidance on the application of mindfulness and yoga in schools, see Secularity: Guiding Questions for Inclusive Yoga in Schools.