

OVERVIEW

- 1. Background and a story
- 2. Why now?
- 3. What now? Integrating Social and Emotional Learning and Mindfulness-Based Educational Interventions
- 4. The MindUP Program
- 5. Research Findings on MindUP
- 6. SMART + MindUp initial findings
- 7. Future Directions



"Human beings of all ages are happiest and able to deploy their talents to best advantage" when they experience *trusted others* as "standing behind them." (Bowlby, 1973, p. 25)

Key Messages

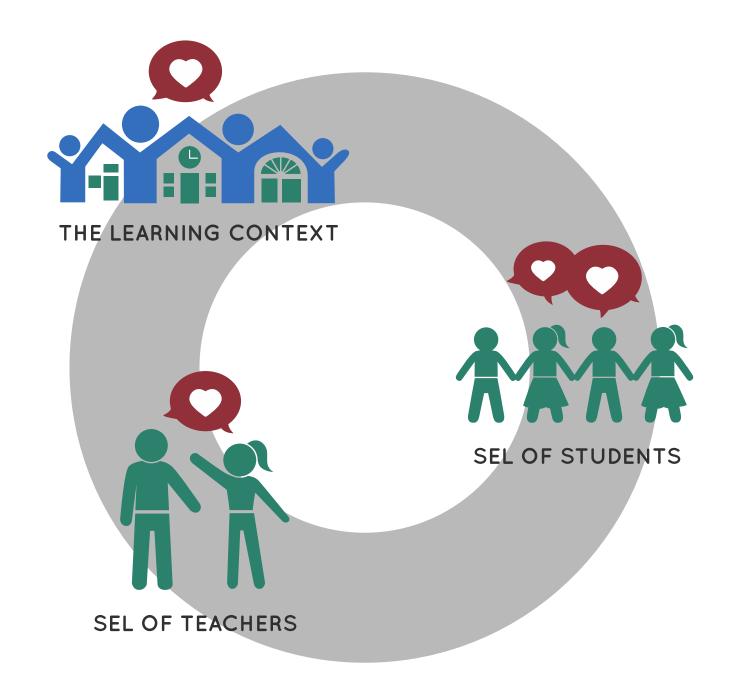
 Find something that you like about every child.

Lead with compassion.

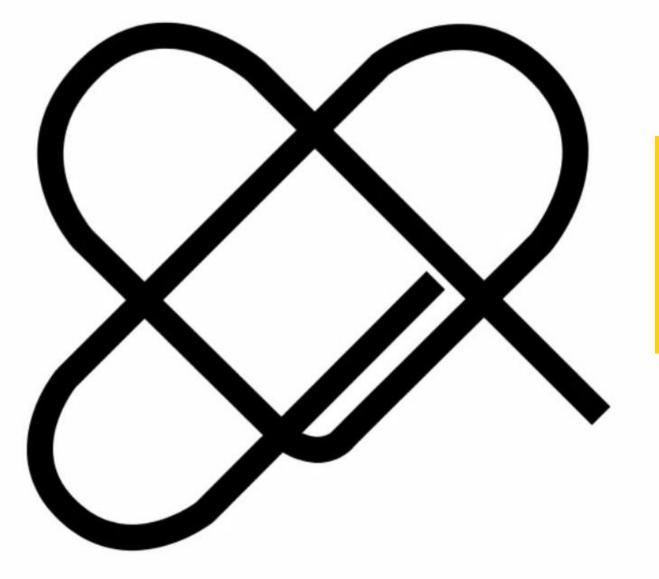
Use the mindset of "presumed competence."

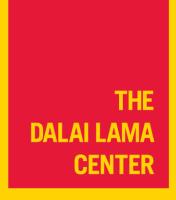
TAKE HOMES MESSAGES

- Create caring environments and relationships with students so that they feel loved, supported, and nurtured.
- Provide students with explicit and intentional opportunities to develop specific skills that will foster their social and emotional competence, happiness, and well-being.
- Promoting educators' and other front-line workers with explicit opportunities to practice self-care and develop social and emotional competence and wellbeing is critical for this.



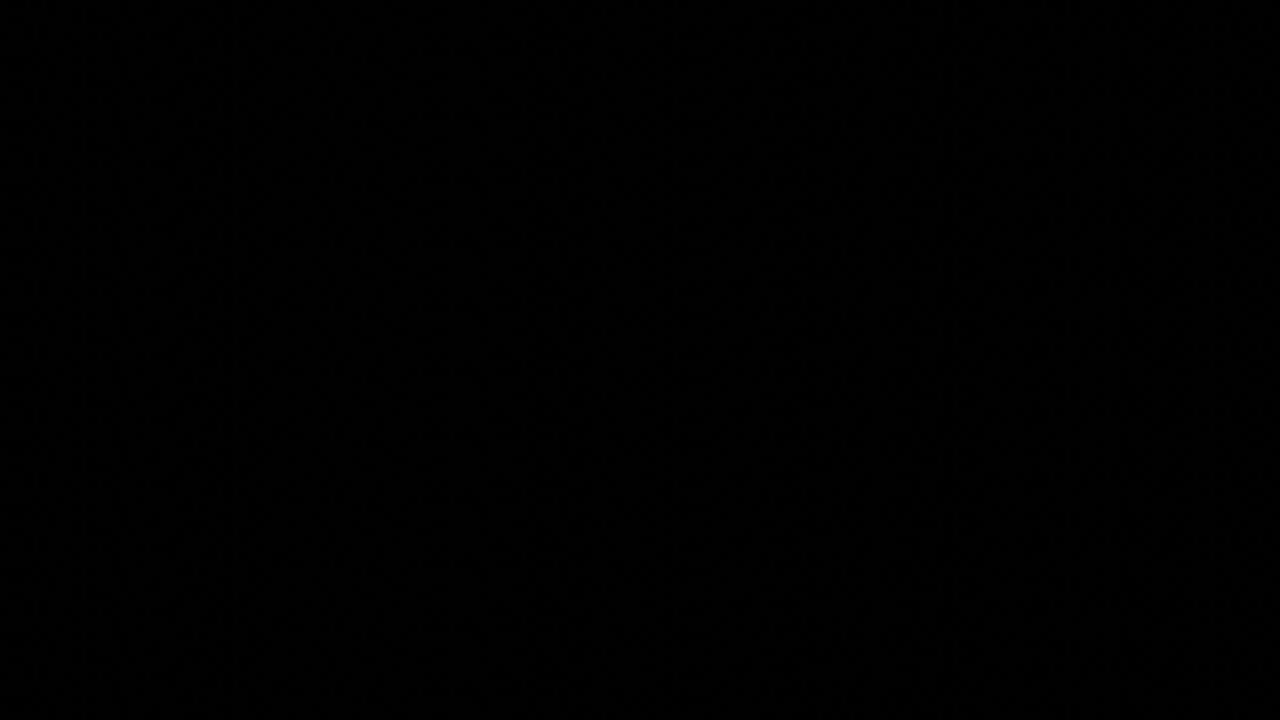






FOR PEACE+EDUCATION

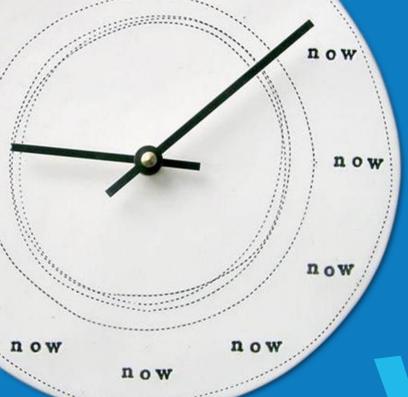
Educating the Heart Video



Practical resources for promoting social and emotional learning in students

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*Dalai Lama Center – "Heart-Mind online"
   http://www.heartmindonline.org/
Collaborative for Academic, Social, and Emotional Learning
   www.casel.org
Edutopia
  http://www.edutopia.org
SEL School (Great Teachers and Leaders)
   http://www.gtlcenter.org/sel-school
*Social and Emotional Learning Resource Finder (UBC)
   http://www.selresources.com/sel-resources/
Greater Good Science Center
   http://greatergood.berkeley.edu/
Mindfulness for Teens
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http://mindfulnessforteens.com/



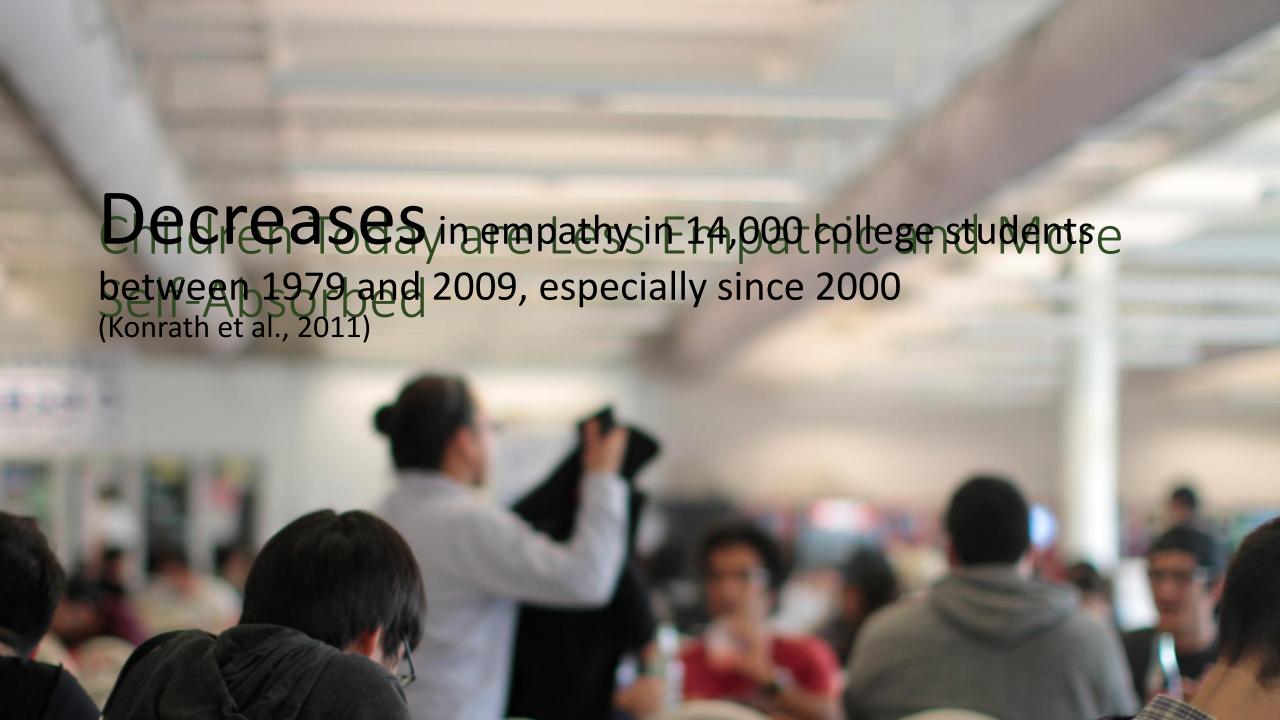
WHY NOW!



















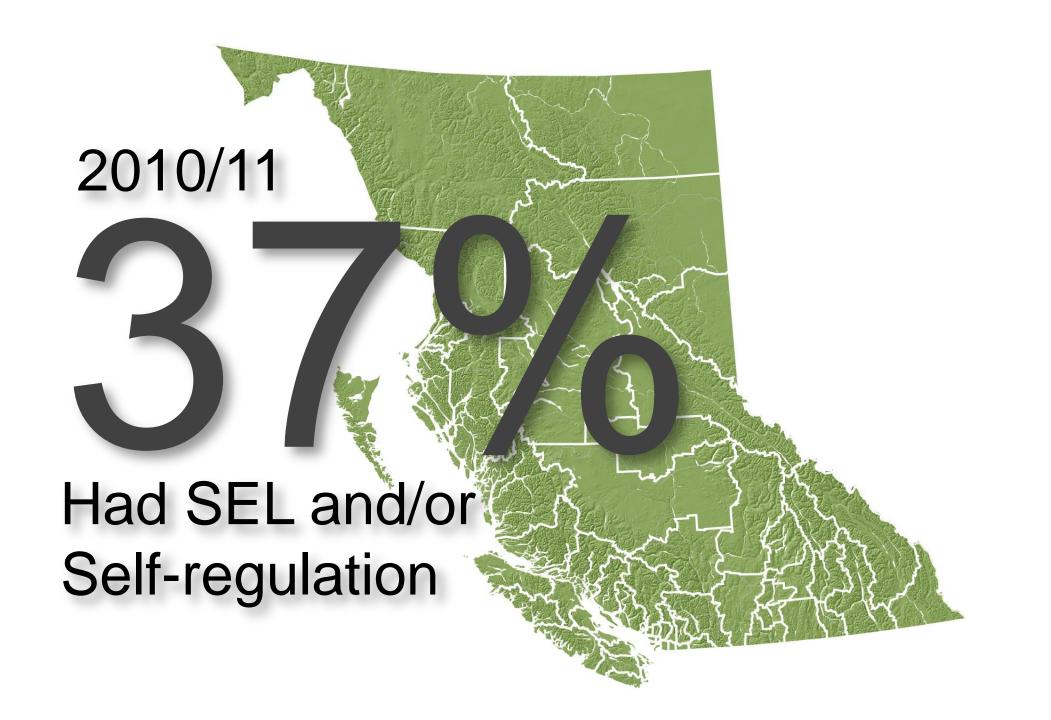


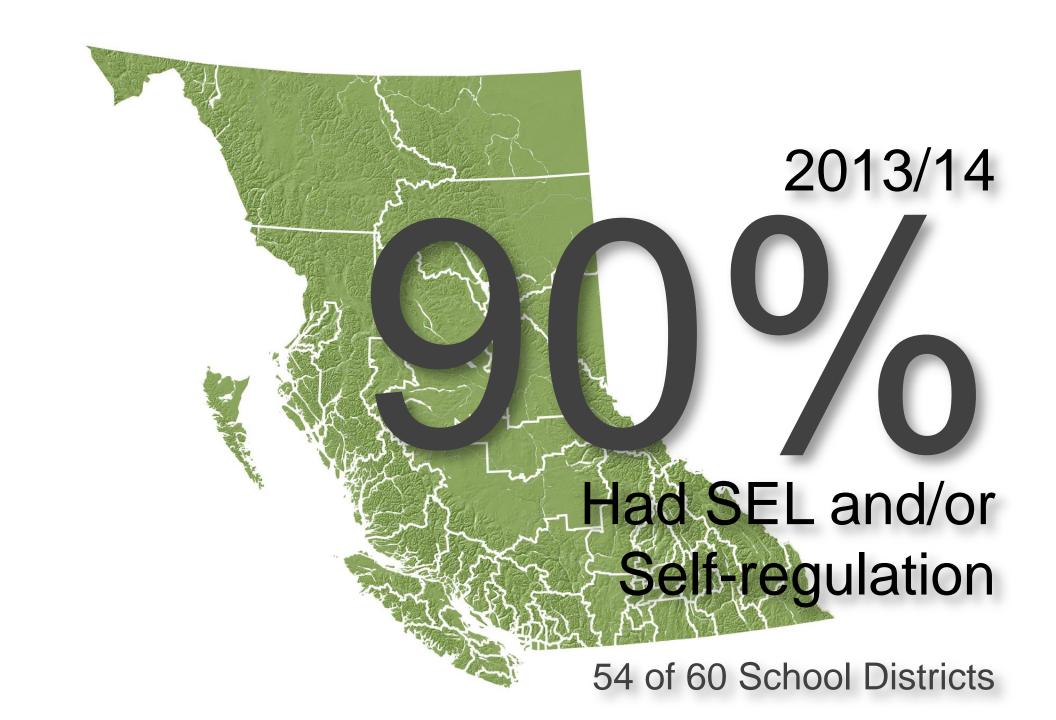
Social & Emotional Learning Core Competencies











BC Cross Curricular Competencies

Competencies

Three cross-curricular competencies, each with a number of sub-domains:

Thinking Competency

Communication Competency

Personal and Social Competency

Positive Personal and Cultural Identity

Personal Awareness and Responsibility

Social Awareness and Responsibility



The Science Behind Social and Emotional Learning: Findings from Recent Research



Finding #1: Social and Emotional Development in the Early Years Predicts Important Adult Outcomes



"Nice Kids Finish First"

- In kindergarten, teachers' rated children's prosocial skills cooperation, listening, getting along with others.
- Followed 753 children 13 to 19 years later
- Kindergarten prosocial skills predicted whether a young adult:
 - Graduated from high school
 - Completed a college degree
 - Obtained stable employment
 - Was on public assistance (inversely related)
 - Was involved with the police (inversely related)





An experiment

Write down something that happened to you this past week for which you are grateful.

If you wish to do so, share with another person nearby.





Kindness Counts: Prompting Prosocial Behavior in Preadolescents Boosts Peer Acceptance and Well-Being

Kristin Layous¹*, S. Katherine Nelson¹, Eva Oberle², Kimberly A. Schonert-Reichl², Sonja Lyubomirsky¹

1 Department of Psychology, University of California, Riverside, California, United States of America, 2 Department of Educational and Counseling Psychology and Special Education, University of British Columbia, Vancouver, British Columbia, Canada

Abstract

At the top of parents' many wishes is for their children to be happy, to be good, and to be well-liked. Our findings suggest that these goals may not only be compatible but also reciprocal. In a longitudinal experiment conducted in 19 classrooms in Vancouver, 9- to 11-year olds were instructed to perform three acts of kindness (versus visit three places) per week over the course of 4 weeks. Students in both conditions improved in well-being, but students who performed kind acts experienced significantly bigger increases in peer acceptance (or sociometric popularity) than students who visited places. Increasing peer acceptance is a critical goal, as it is related to a variety of important academic and social outcomes, including reduced likelihood of being bullied. Teachers and interventionists can build on this study by introducing intentional prosocial activities into classrooms and recommending that such activities be performed regularly and purposefully.

Citation: Layous K, Nelson SK, Oberle E, Schonert-Reichl KA, Lyubomirsky S (2012) Kindness Counts: Prompting Prosocial Behavior in Preadolescents Boosts Peer Acceptance and Well-Being. PLoS ONE 7(12): e51380. doi:10.1371/journal.pone.0051380

Editor: Frank Krueger, George Mason University/Krasnow Institute for Advanced Study, United States of America

Received August 12, 2012; Accepted November 6, 2012; Published December 26, 2012

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Competing Interests: The authors have declared that no competing interests exist.

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Introduction

At the top of parents' many wishes is for their children to be happy, to be good, and to have positive relationships with others benefits beyond personal happiness, as prosocial behavior predicts academic achievement and social acceptance in adolescents [16]. The dearth of work on enhancing happiness and prosociality in youth, coupled with evidence of their many benefits, highlights the

Results

ACT OF KINDNESS

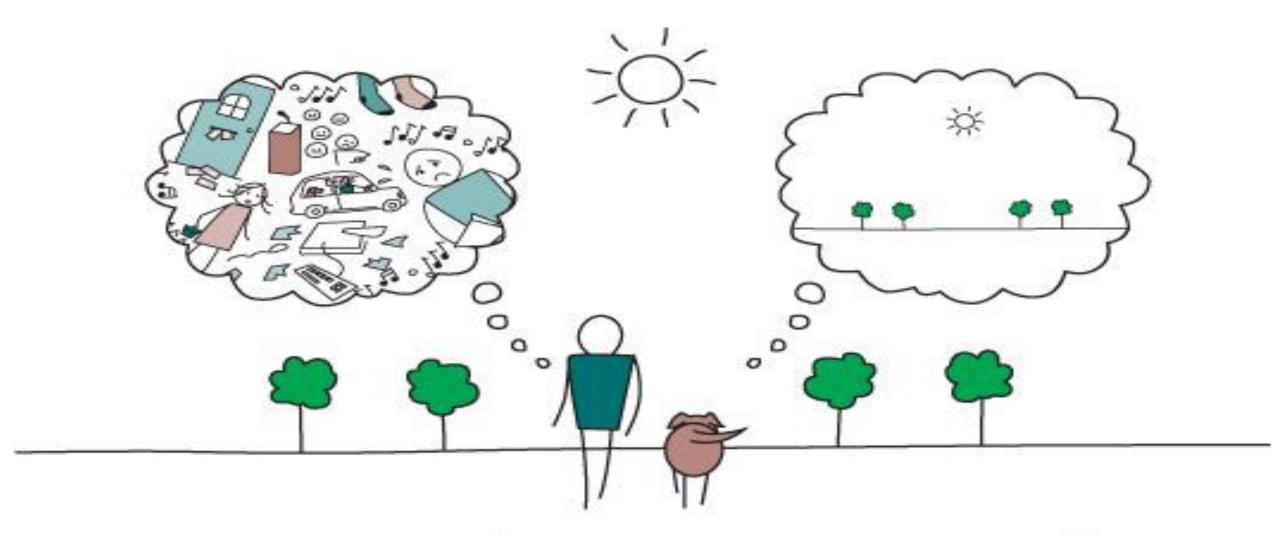
- Gave a friend a nice snack
- Hugged Vanessa
- I listened to people who have trouble
- Moving a piano
- I gave a snack away without anyone knowing
- Holding the door open
- Cleaning toilets

WHEREABOUTS

- Grandpa's
- Library
- 20th & Dunbar
- Swings
- My friend's apartment
- Fraser River
- Classroom
- Bus
- My house's garden
- Children's festival

Social-Emotional Learning and Mindfulness





Mind Full, or Mindful?

DAY-TO-DAY EXPERIENCES

Directions: For each sentence, indicate how well it describes you by circling the number that						
describes HOW TRUE it is for you. Read each sentence carefully. Answer honestly. Thank you!!						
	Almost	Not	Not	Somewhat	Very	Almost

	Experiences	Almost Never	Not Very Often at All	Not Very Often	Somewhat Often	Very Often	Almost Always
1.	I could be feeling a certain way and not	1	2	3	4	5	6

- realize it until later.
- 2. I break or spill things because of carelessness, not paying attention, or
- thinking of something else.
- 6
- 5
- 3. I find it hard to stay focused on what's
- happening in the present moment.
- 4. Usually, I walk quickly to get where I'm 5 going without paying attention to what I experience along the way.

Mindfulness Defined

Mindfulness is considered to be a state of being aware of and attentive to the present moment.

In addition, mindfulness has been described as a state of consciousness with a core characteristic of being open, receptive and non-judgmental.

Mindfulness as a natural capacity

AND

Mindfulness through cultivation

Social & Emotional Learning Core Competencies

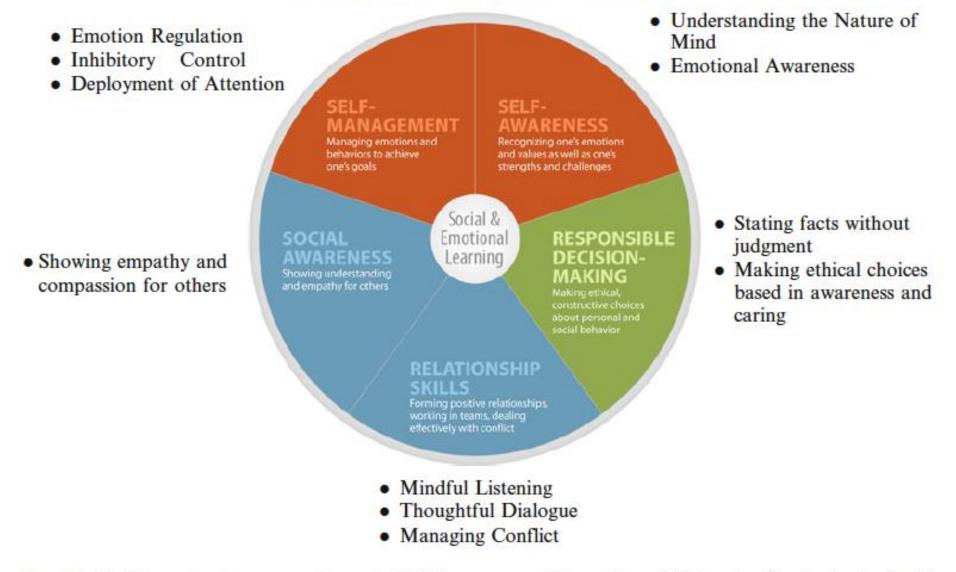
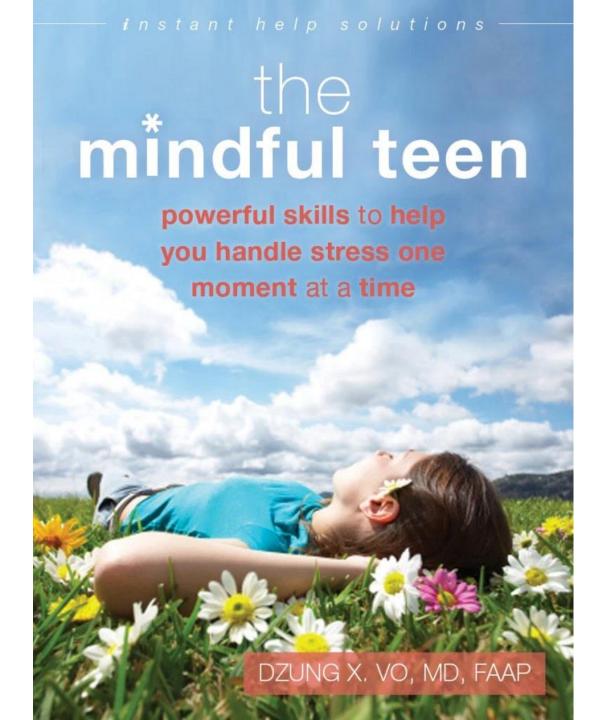
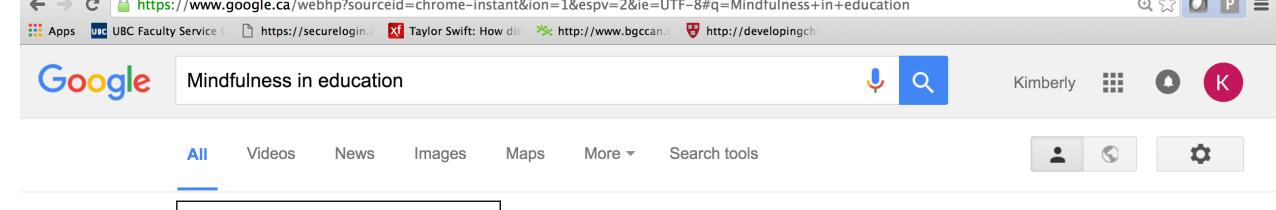


Fig. 5.1 Social emotional competencies and mindful awareness. Adapted from Collaborative for Academic, Social, and Emotional Learning (2013) and Greenberg (2014)

Lawlor, M. S. (2016). Mindfulness and social emotional learning: A conceptual framework. In K. A. Schonert-Reichl & R. W. Roeser (Eds.), *Handbook of Mindfulness in Education*. New York: Springer Press







About 28,000,000 results (0.51 seconds)

Mindfulness in Education - MindfulSchools.org

Ad www.mindfulschools.org/Education >

Full K-12 Curriculum for Schools Register for our Six Week Class!

Mindfulness & Education - mindfulnessstudies.com

Modern www.mindfulnessstudies.com/ ▼ (647) 524-6216

Mindfulness training for educators and teachers in downtown Toronto

Faculty: The Centre For Mindfulness Studies

Scholarly articles for Mindfulness in education

The effects of a **mindfulness**-based **education** program ... - Schonert-Reichl - Cited by 194

Integrating mindfulness training into K-12 education: ... - Meiklejohn - Cited by 134

Relational mindfulness in education - Burrows - Cited by 7

Association for Mindfulness in Education — www.mindfuleducation.org/ ▼

Bridging the Hearts and Minds of Youth: Mindfulness and Compassion in the ... 2016

Mindfulness in Education Conference — Mindfulness: Foundation for

Mindfulness DOI 10.1007/s12671-015-0389-4

ORIGINAL PAPER

A Systematic Review of Mindfulness-Based Interventions for Youth in School Settings

Joshua C. Felver • Cintly E. Celis-de Hoyos • Katherine Tezanos • Nirbhay N. Singh

© Springer Science+Business Media New York 2015

Abstract There is a growing interest in the use of mindfulnessbased interventions (MBI) on youth, which has recently expanded to include the study of students in school settings. This article systematically reviewed the existing literature of applied studies using MBI with students in school settings in order to identify limitations in the scientific literature and inform future research directions. Twenty-eight studies were selected for review and were coded across multiple domains, based interventions (MBI), have been shown to be generally effective for a wide range of psychosocial difficulties (Khoury et al. 2013), and may be specifically beneficial for youth (Zoogman et al. 2014), prompting calls for further research on the utility of MBI with children and adolescents (Burke 2010; Mind and Life Education Research Network 2012). Given that MBI appear to be beneficial for youth, researchers have suggested that this technology be

ORIGINAL RESEARCH

Mindfulness Interventions with Youth: A Meta-Analysis

Sarah Zoogman • Simon B. Goldberg • William T. Hoyt • Lisa Miller

© Springer Science+Business Media New York 2014

Abstract Mindfulness meditation is a well-validated intervention for symptoms of depression and anxiety disorders in adults, with meta-analyses showing moderate effect sizes. This study marks the first published meta-analysis of the burgeoning literature on mindfulness meditation with youth (conducted between 2004 and 2011) and identifies specific outcomes and sub-populations for whom mindfulness may be particularly helpful. Inclusion criteria were peer-reviewed journal articles published in English, study participants under 18 years of age, and a description in the methods section of mindfulness as the chief component of an intervention.

participants recruited from schools, the findings of this metaanalysis suggest that future research might focus on youth in clinical settings and target symptoms of psychopathology.

Keywords Meta-analysis · Mindfulness · Mindfulness meditation · Psychopathology · Youth

Introduction

Meta-analyses conducted over reports of clinical trials of



Nurturing Mindfulness in Children and Youth: Current State of Research

Mark T. Greenberg and Alexis R. Harris

Pennsylvania State University

ABSTRACT—This article reviews the current state of research on contemplative practices with children and youth. It reviews contemplative practices used both in treatment settings and in prevention or health promotion contexts, including school-based programs. Although there is great interest and potential promise for contemplative interventions, enthusiasm for promoting such practices outweighs the current evidence supporting them. Interventions that nurture mindfulness in children and youth may be a feasible and effective method of building resilience in universal populations and in the treatment of

Recent years have witnessed an explosion of interest in secular mindfulness strategies (including meditation, attention training, yoga, and other techniques) as methods to support wellness. Research with adults has clearly shown benefits for promoting health, alleviating pain, and reducing depression and anxiety (Arias, Steinberg, Banga, & Trestman, 2006; Kabat-Zinn, 2003). Furthermore, basic research has shown that certain methods are likely to have these effects because they alter organization and action of neural circuitry, which is associated with alterations in stress reactivity and immune function (Davidson et al., 2003). Thus, it is not surprising that such practices are rapidly growing

Mindfulness in Behavioral Health Series Editor: Nirthay N. Singh

Kimberly A. Schonert-Reichl Robert W. Roeser Editors

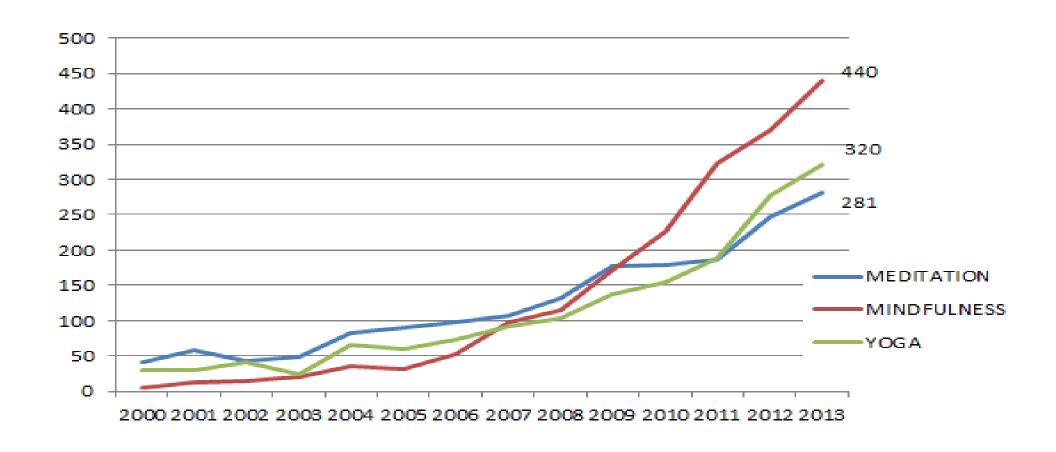
Handbook of Mindfulness in Education

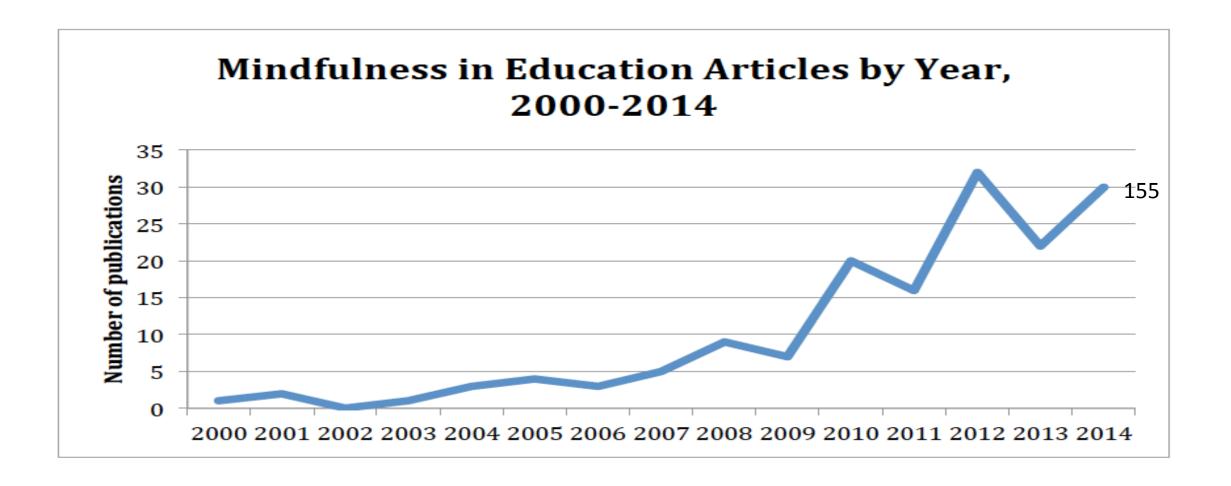
Integrating Theory and Research into Practice





Peer-Refereed Publications





Source: Schonert-Reichl, K. A., & Roeser, R. W. (Eds.). (2016). *Mindfulness in education: Emerging theory, research, and programs*. NY: Springer.

Types of Articles of the 155

- 42% theoretical/review articles
- Empirical research
 - 15% preschool/elementary school students
 - 10% middle school/high school students
 - 25% postsecondary settings
 - 6% on teachers

Research on Effects of Mindfulness with Children and Adolescents

- Major focus has been on
 - Decreasing stress and psychological symptoms
 - Increasing attention (e.g., self-regulation, executive functions)
 - Self-reports (e.g., mindfulness)
- Little focus on
 - Improving intrapersonal awareness
 - Improving interpersonal behavior and relationships
 - Increasing empathy, kindness, and compassion

A Representation of Programs in the Field

CASEL SELect Programs

4 Rs; Afs Pals; Canng School Comunity; Competent Kids, Caring Communities: HighScope Educational Approach for Preschool: I Can Problem Solve: The Incredible Years Series; Michigan Model for Health: Open Circle: PATHS (Promoting Alternative THinking Strategies); Peace Works: Peacemaking Skills for Little Kids; Positive Action; Raising Healthy Children: Resolving Conflict Creatively Program (RCCP); Responsive Classroom: RULER: Second Step: Social Decision Making/Problem Solving Program: Steps to Respect; Too Good for Violence: Tools of the Mind: Tribes Learning Communities

Garrison Institute Contemplative Education Program Database

Applied Ethics; Galmer Choice; GARE for Teachers; Mindfulness for Educators: Communicating Mindfully: Courage to Teach; Every Kid's Yoga: Flourish Foundation; Grand Ideas from Within: Growing Minds: Holistic and Integrative Education; Holistic Life Foundation; Inner-Explorer; Inner Kids; Inward Bound Mindfulness Education; Kripalu Yoga in the Schools; Learning to Breathe; Little Flower Yoga: Mindful Education Project; Mindful Practices Yoga; Mindful Schools; Mindfulness in Teaching and Learning: Mindfulness Without Borders: Modern Mindfulness for Schools; Naropa University Contemplative Education Masters Program; PassageWorks; SMART in Education: Resilient Kids; Still Quiet Place; Tai Chi for Kids; The Center for Education, Imagination, and the Natural World: The Inner Resilience Program: The Mindful Edge; The Mindfulness in Schools Project (.b); Tools for Peace; Transformative Life. Skills: Wellness Works in Schools: Wonder & Wisdom; Yoga. 4 Classrooms; Yoga Calm; Yoga In My School; Yoga in Schools: Young Mountain Yoga; Youth Yoga Dharma.

Compassion Training Programs

MindUP.

Cognitively-Based Compassion Training: Compassion Cultivation Training: Innate Compassion Training: Resource Training Program: Compassion Focused Therapy (clinical); CEC Engaged Compassion Training

Continuum of Confidence

Using EBP

Registries



 Programs can be placed along a continuum of confidence based on their evidence or theory

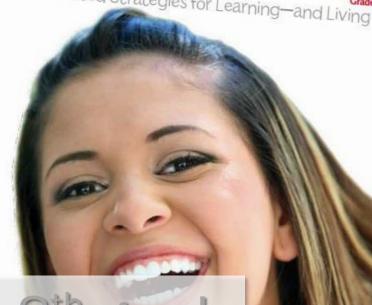


How confident are we that this program or practice is a good use of resources AND improves outcomes for children and families?









MINDUP Kindergarten to 8th grade (5 to 14 yrs)

Focused Classrooms • Mindful Learning • Resilient Students Focused Classrooms • Mindful Learning • Resilient Students **₩**SCHOLASTIC

Focused Classrooms • Mindful Learning • Resilient Children

HAWNFOUNDATION





How Our Brains Work Understanding Mindfulness

Focused Attention

Neuroscience Foundations

Mindful Listening

Mindful Seeing

Mindful Smelling

Self Awareness

Mindful Tasting

Mindful Moving (Pt 1) Mindful Moving (Pt 2) Self Management

Perspective Taking

Choosing Optimism

Savoring Happy Experiences

Social Awareness

Acting with Gratitude

Acts of Kindness

Mindful Action in Our Community

Social Action





Getting to Know and Love Your Brain

To react or to think it out ... that is the question. The way you use three key players in your brain determines how you'll respond to everything that happens around you. As you learn how to help your brain tell the difference between true emergencies and stressful situations, you'll get better at handling every situation and have more time to enjoy life!

Prefrontal Cortex

Spring PRURS WAR HOTE WAY!

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Amygdala

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Breathing

Hippocumpus

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SCHOLASTIC

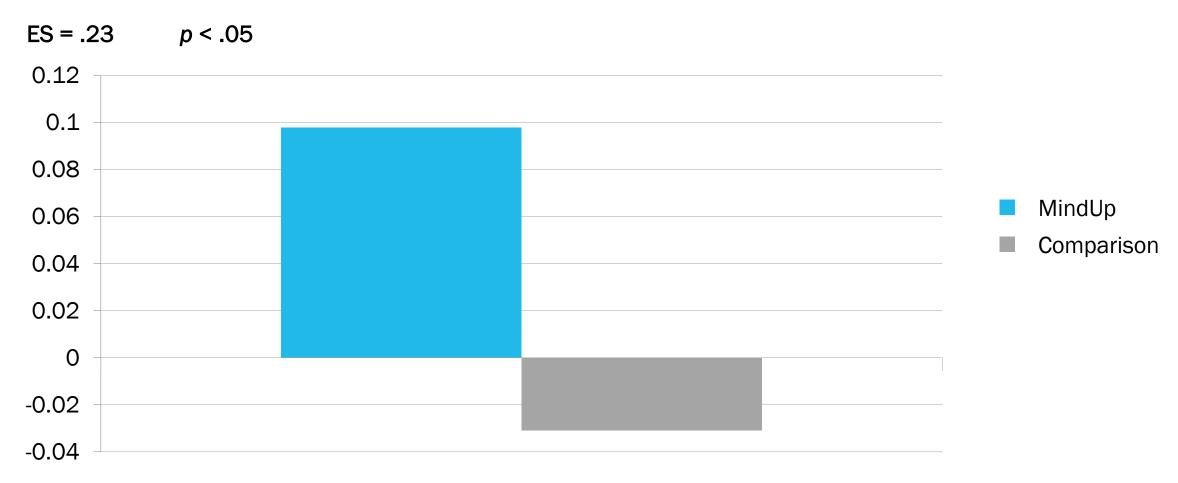


MINDUP* Study 1

Schonert-Reichl, K. A., Lawlor, M.S. (2010). The effects of a mindfulness-based education program on pre- and early-adolescents' well-being and social and emotional competence. *Mindfulness*, *1*, 137-151.

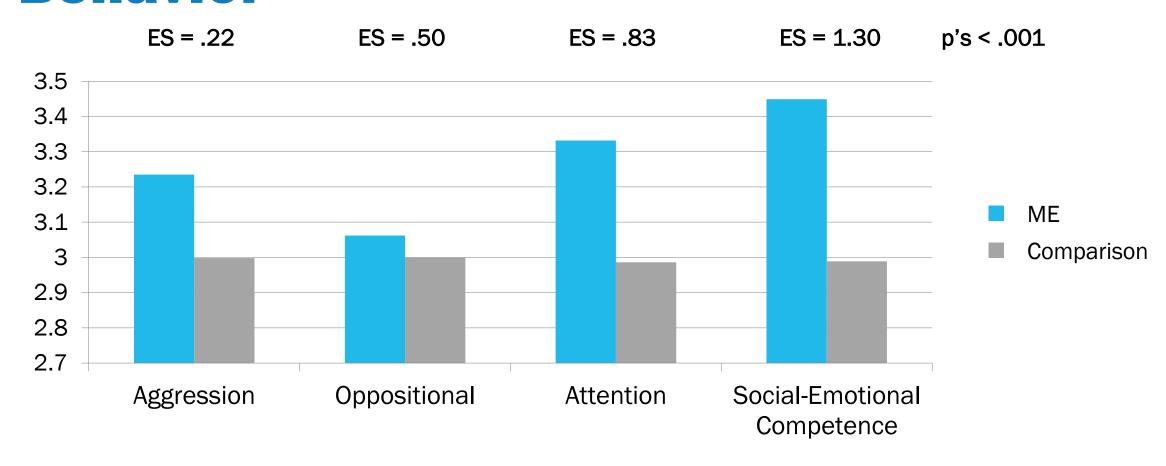
Self-Reported Optimism

(change scores)



Optimism

Teacher-Reported Improvements in Behavior



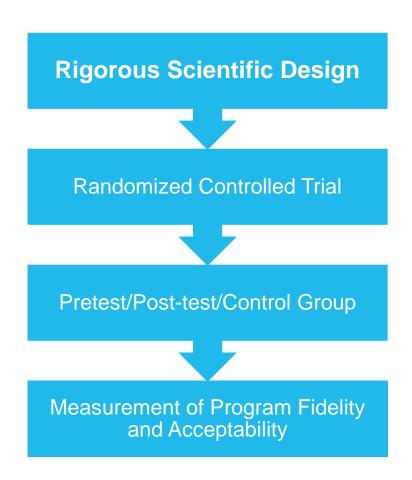
Average Proportion of Core Mindful Practices Across Classrooms

Week	# of ME program core exercises	Proportion of ME core exercises completed (avg across classrooms)	Proportion of ME core exercises completed (range)
1	3	100%	100%
2	15	72%	53-100%
3	15	83%	73-100%
4	15	92%	73-100%
5	15	88%	73-100%
6	15	83%	60-100%
7	15	83%	33-100%
8	15	87%	60-100%
9	15	92%	67-100%

MINDUP* Study 2

Schonert-Reichl, K. A., Oberle, E., Lawlor, M. S., Abbott, D., Thomson, K., & Diamond, A. (2015). Enhancing cognitive and social-emotional development through a simple-to-administer mindfulness-based school program for elementary school children: A Randomized Controlled Trial. *Developmental Psychology*, *51*, 52-66.

Design and Measures





The Biology of Happiness

"What can your saliva tell you about the way you feel and behave?"



T.F. Oberlander, K. Shonert-Reichl, D. Nordstokke, N. Catherine, L. Gillespie & U. Brain. Centre for Community Child Health Research, UBC & BC Children's Hospital









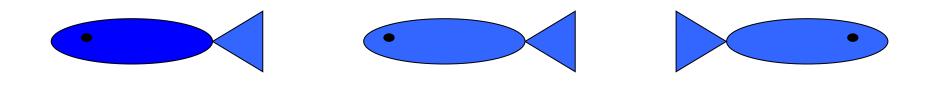


How much saliva do we make in one day?

1.5 Litres!



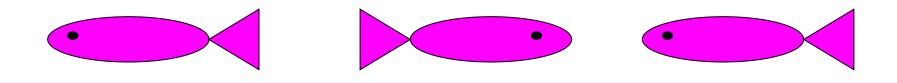
Flanker Fish: Block 1



"When the fish are BLUE, you feed the MIDDLE fish by pressing where it's facing"

Requires some inhibitory controll/ selective attention & working memory.

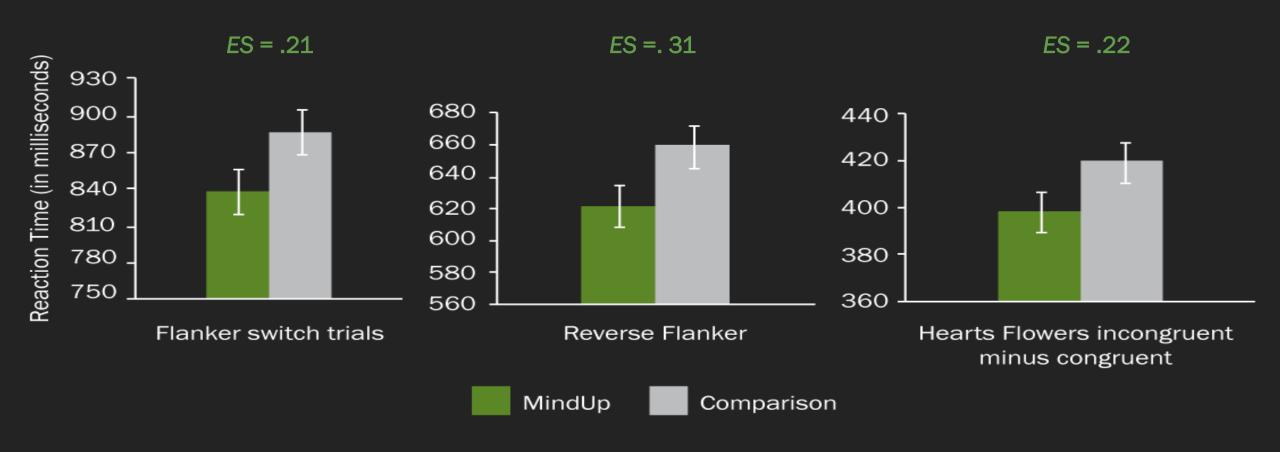
Flanker Fish: Block 2



"When the fish are PINK, you feed the OUSTIDE fish by pressing where they are facing"

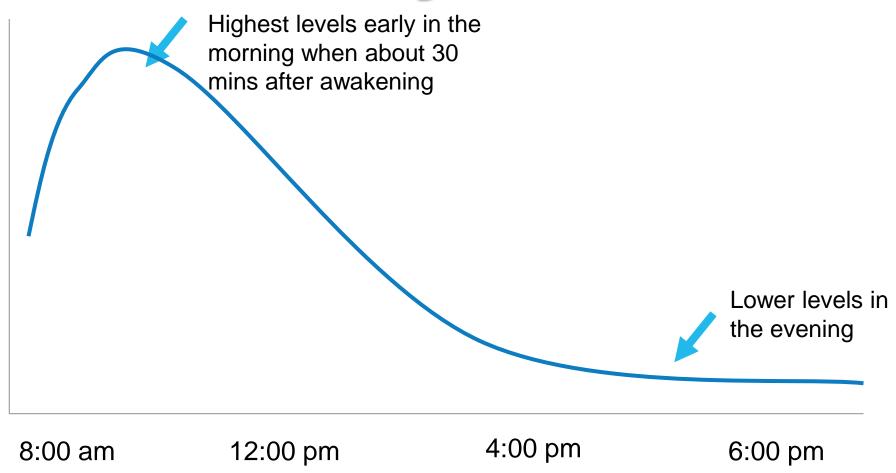
Requires inhibitory control & working memory.

Executive Functions



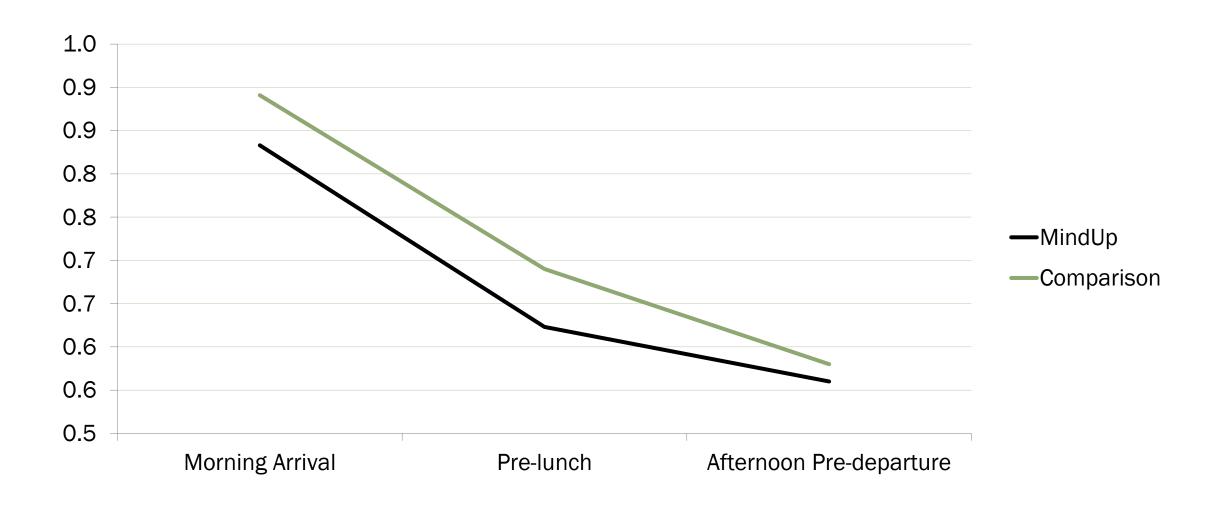
What is Your Cortisol

How cortisol changes throughout your day?



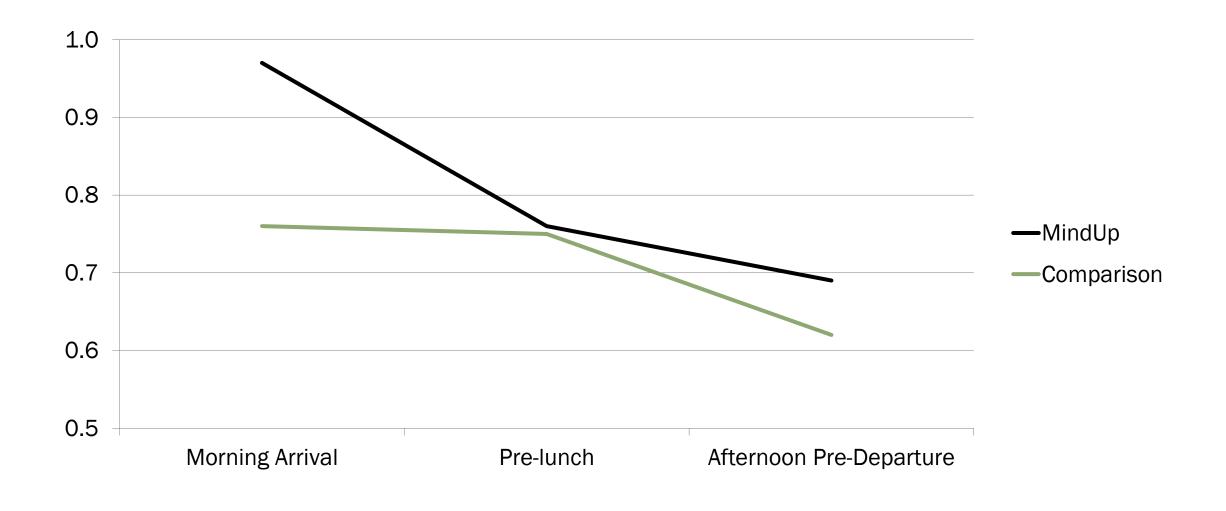
Diurnal Cortisol:

Slope at Pre-test



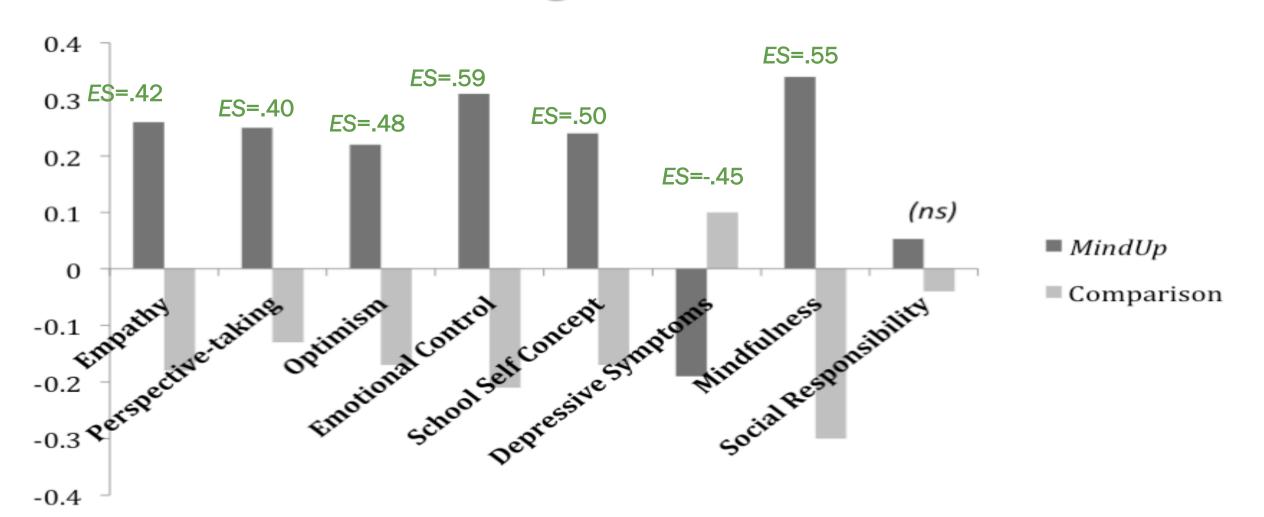
Diurnal Cortisol:

Slope at Post-test



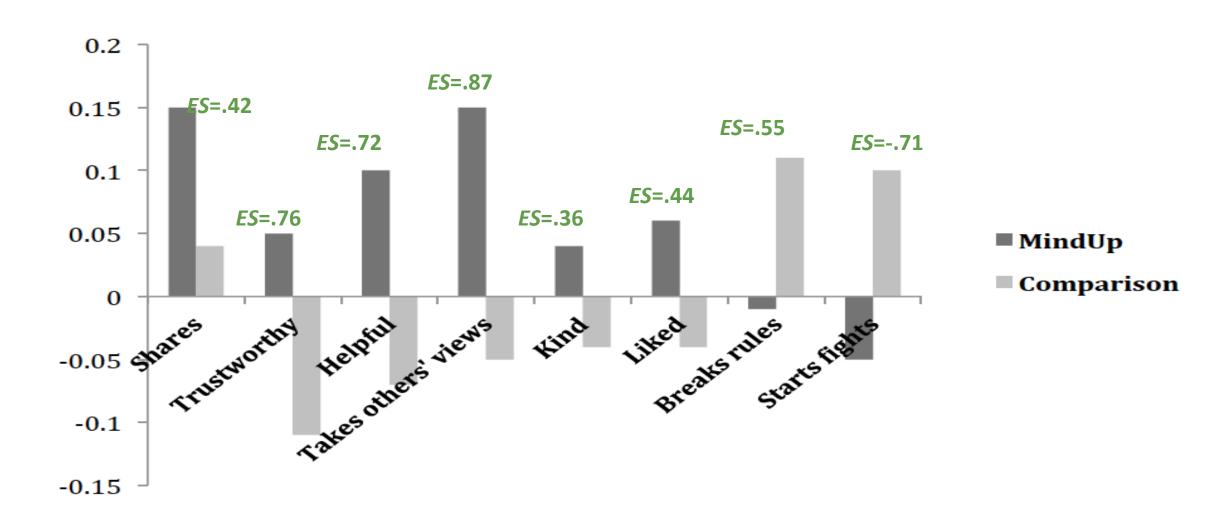
Child Self-Reports

Change Scores



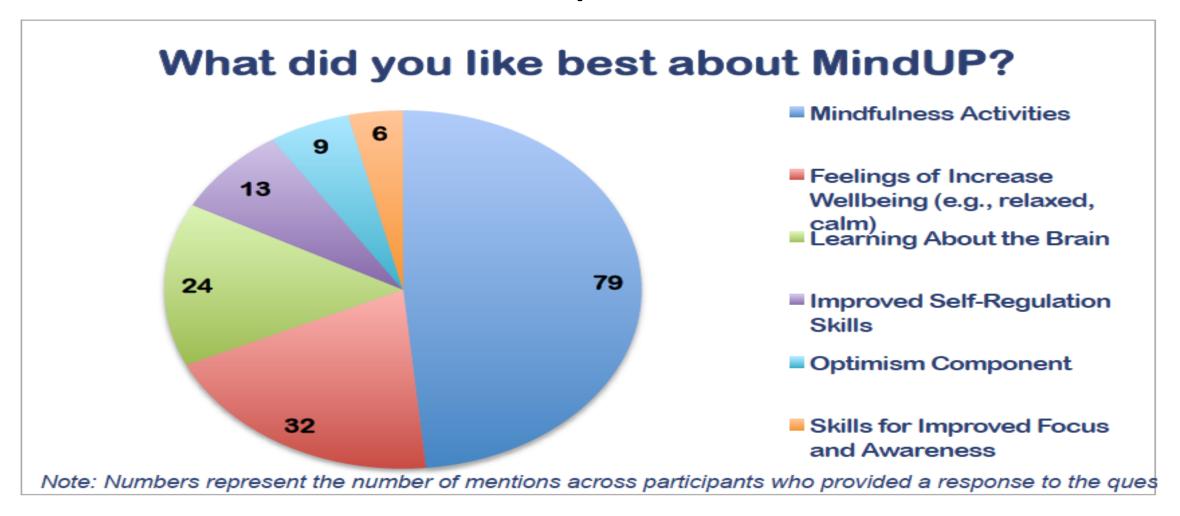
Peer Behavioral Assessments

Change Scores



- \bullet Cohen's U_3 "improvement" index to reflect the average difference between the percentile rank of the intervention and control groups.
 - ❖ 24% gain in positive social behaviors from participation in the *MindUp* program,
 - 15% in math achievement,
 - 20% in self-reported social-emotional competencies and skills,
 - 24% in aggressive behaviors.

Students' Perceptions of MindUP

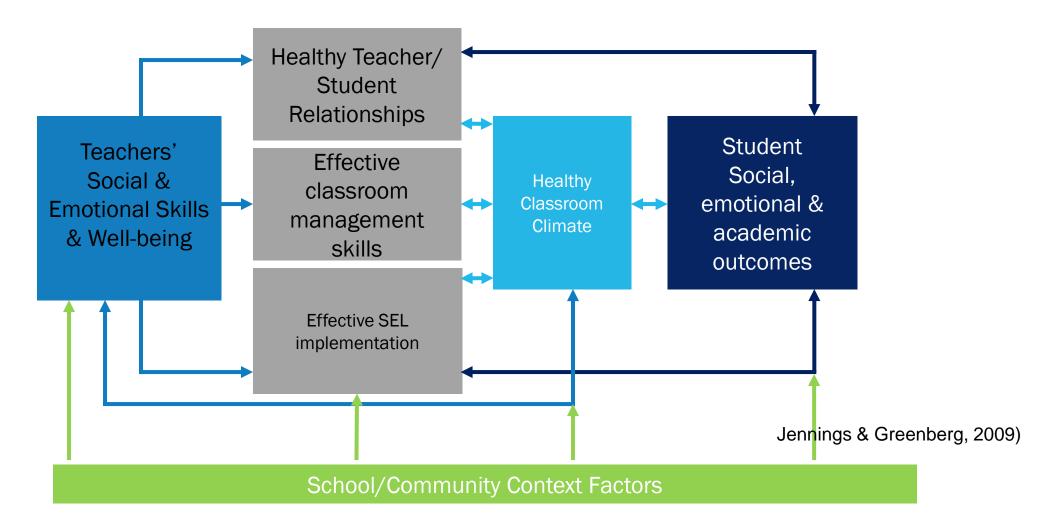




Schonert-Reichl, K. A., Roeser, R., Whitehead J., , Kitil, M. J. & Stewart-Lawlor, M., & Oberle, E. (in preparation).

THE PROSOCIAL CLASSROOM:

A Model of Teacher Social and Emotional Competence & Classroom & Child Outcomes



First...



Then...

Mindfulness Training and Reductions in Teacher Stress and Burnout: Results From Two Randomized, Waitlist-Control Field Trials

Robert W. Roeser Portland State University Kimberly A. Schonert-Reichl University of British Columbia

Amishi Jha University of Miami

Margaret Cullen Berkeley, California

Linda Wallace and Rona Wilensky Boulder, Colorado

Eva Oberle and Kimberly Thomson University of British Columbia

Cynthia Taylor and Jessica Harrison Portland State University

The effects of randomization to mindfulness training (MT) or to a waitlist-control condition on psychological and physiological indicators of teachers' occupational stress and burnout were examined in 2 field trials. The sample included 113 elementary and secondary school teachers (89% female) from Canada and the United States. Measures were collected at baseline, post-program, and 3-month followup; teachers were randomly assigned to condition after baseline assessment. Results showed that 87% of teachers completed the program and found it beneficial. Teachers randomized to MT showed greater mindfulness, focused attention and working memory capacity, and occupational self-compassion, as well as lower levels of occupational stress and burnout at post-program and follow-up, than did those in the control condition. No statistically significant differences due to MT were found for physiological measures of stress. Mediational analyses showed that group differences in mindfulness and selfcompassion at post-program mediated reductions in stress and burnout as well as symptoms of anxiety and depression at follow-up. Implications for teaching and learning are discussed.

Keywords: mindfulness, self-compassion, teachers, stress, burnout

METHOD

SMART + MindUP

- Received 22 hour SMART Program
- Received one day MindUp Training
- Pretest and posttest survey

MindUP Only

- Received one day MindUpTraining
- Pretest and posttest survey

BAU Control

- Social responsibility
- Pretest and posttest survey

PARTICIPANTS

Children

- 331 4th to 7th grade children
- Mean age = 11.19 (SD = .92)
- 50% girls
- Participation rate (active consent): 91%

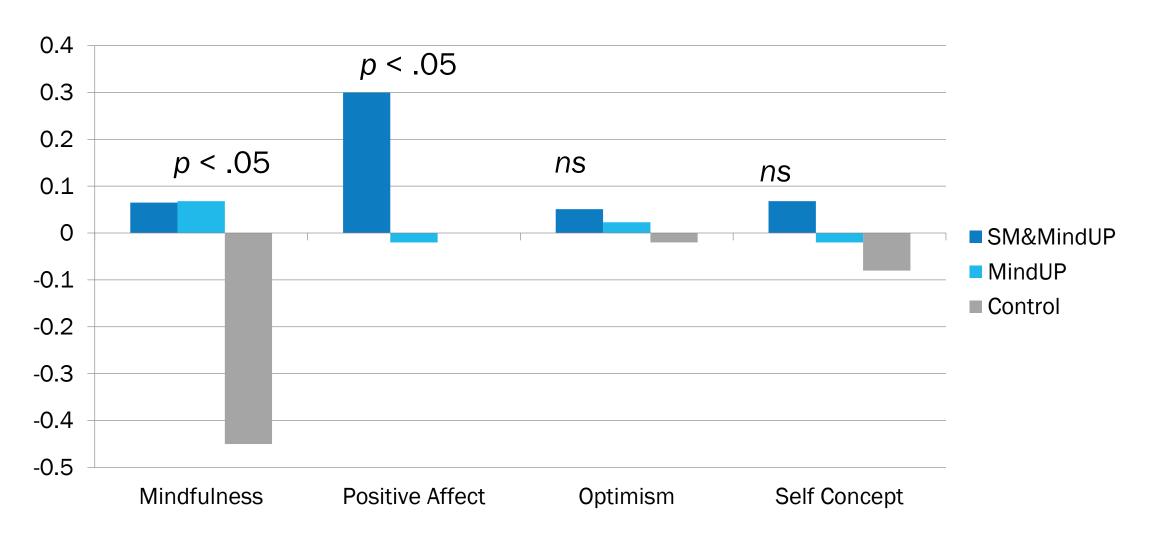
14 teachers

- 11 female, 3 male
- 5 + years of teaching experience

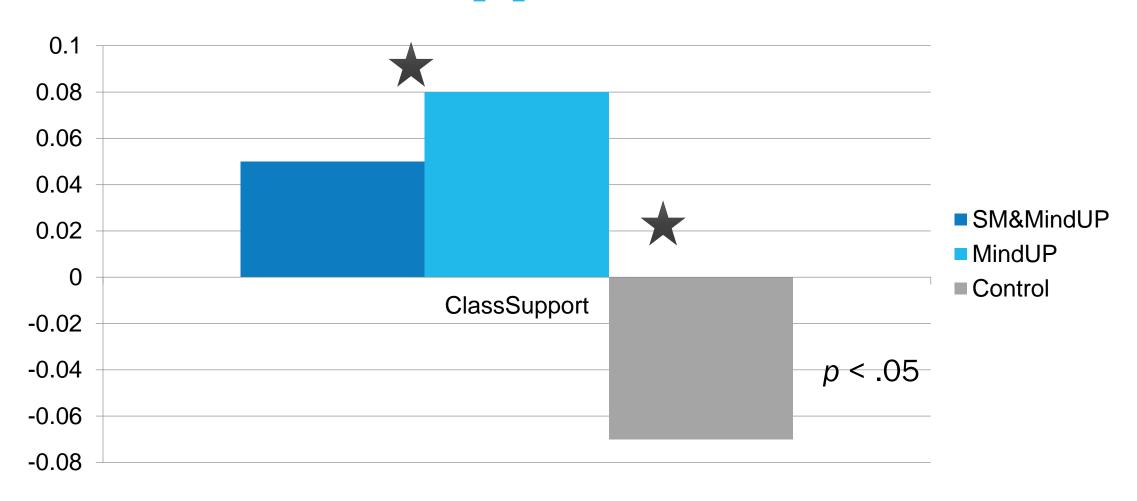
RESULTS

Student-Reports of Well-Being

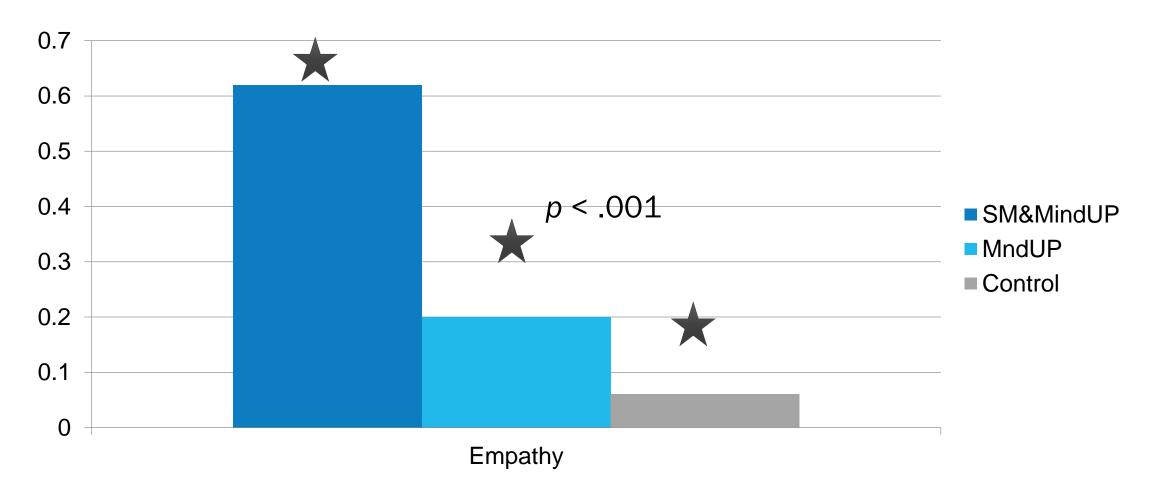
Change Scores



Student-Reports of Classroom Supportiveness

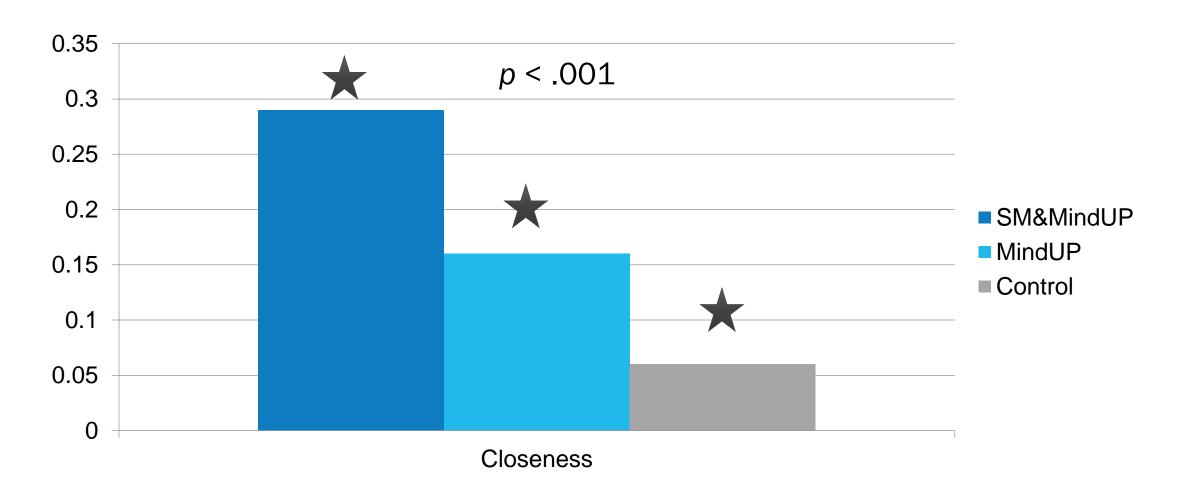


Teacher-Reports of Students' Empathy



Teacher-Child Closeness

Change Scores



DISCUSSION AND FUTURE DIRECTIONS

Discussion

The findings suggest the "value-added" of a combined program – one in which teachers receive a program that supports their own well-being, and then implement a mindfulness-based SEL program for students.

There may be different pathways to teacher training in relation to MindUP implementation.

Future Directions

- More research is needed with rigorous empirical designs (e.g., active control groups) and takes a systems approach.
- Increased focus on cultivating kindness, empathy, and compassion as outcomes
- Translational research that brings together researchers across several disciplines to work collaboratively in order to make new discoveries that ultimately lead to more effective preventions and interventions.

MIND THE GAP PROJECT

Roberts Creek Community School







DOCUMENTATION & DATA GATHERING

THANKS TO . . .

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