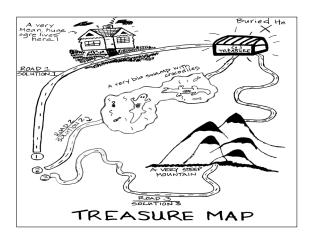
### PROMOTING SOCIAL AND EMOTIONAL DEVELOPMENT: The PATHS Curriculum

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### What is Social and Emotional Learning?

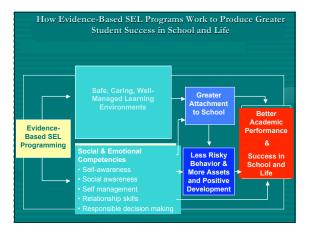
- · Social and emotional learning (SEL) refers to knowledge, habits, skills and ideals that are at the heart of a child's academic, personal, social, and civic development.
- They are necessary for success in both school and life.

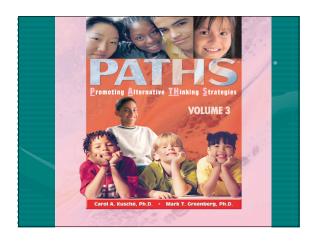
### SEL Skills include

- >recognizing and managing emotions
- >developing caring and concern for others
- >making responsible decisions
- >establishing and maintain positive relationships
- > handling challenging situations effectively

Children learn social-emotional competencies in the same way they learn cognitive skills:

- Teacher-led instruction
- Multiple, guided practice opportunities
- Feedback and reinforcement
- A supportive classroom context
- Incidental learning in home and community





### What is the History of The PATHS Curriculum?

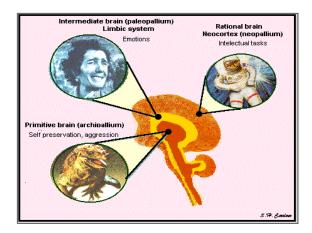
- PATHS was developed by Carol A. Kusche ', Mark Greenberg and colleagues beginning in 1981
- Since 1985 PATHS has been used over 1000 schools in the U.S. and around the world
- PATHS has been translated into French, Spanish, Dutch, German, Czech, Welsh, Greek and Hebrew.
- PATHS is identified as one of the Blueprints for Violence Prevention

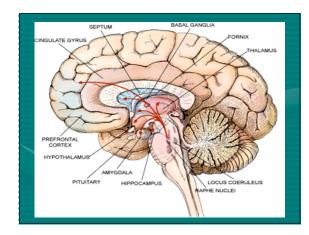
### PATHS Curriculum Objectives

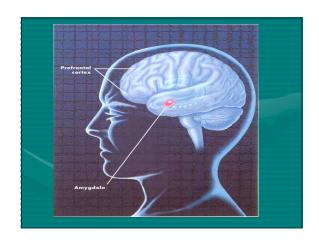
- Control of arousal and behavior through selfregulation
- Focus on affective vocabulary and emotion processing
- Integrate affective, cognitive, and linguistic skills for effective problem-solving
- Promote positive peer relations

## ABCD Model (Affective-Behavioral-Cognitive-Developmental) Stages of Developmental Integration 1. Infancy: (Birth to 18 months) \* Emotion = Communication \* Arousal & Desire = Behavior 2. Toddlerhood: (18 months to 36 months) \* Language supplements Emotion = Communication \* Very initial development of emotional labeling \* Arousal and Desire = Behavior 3. Preschool Years: (3 to 6 years) \* Language develops powerful role \* Child can recognize/label basic emotions \* Arousal & desire > symbolic mediation > behavior \* Development of role-taking abilities \* Beginning of reflective social planning & problem-solving

## ABCD Model (Affective-Behavioral-Cognitive-Developmental) 4. School Years: (6 to 12-13 years) \* Thinking in language has become habitual \* Increasing ability to reflect on & plan sequences of action \* Developing ability to consider multiple consequences of action \* Increasing ability to take multiple perspectives on a situation 5. Adolescence (12-13 years and beyond) \* Utilize language in service of hypothetical thoughts \* Ability to simultaneously consider multiple perspectives





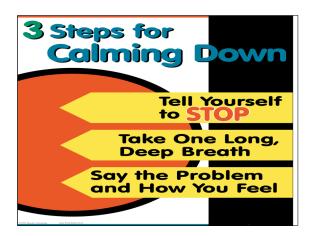


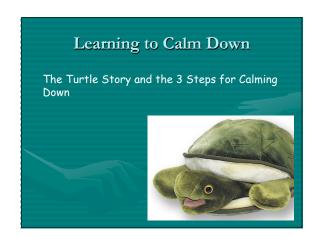
### PATHS: Theoretical Models

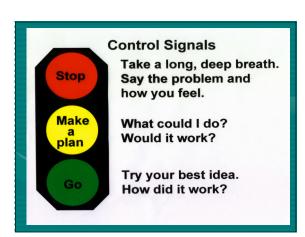
- Developmental Theory on the Integration of Affect, Cognition, Language and Behavior
- Neuro-cognitive model of regulatory function of language and emotional awareness for Frontal Lobe Control of Behavior
- Ecological model focused on building a caring school environment

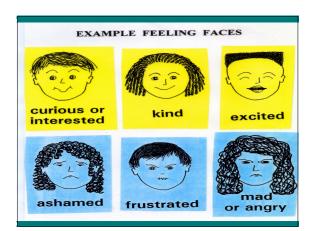
## Problem-Solving Outline When you notice upset feelings: 1. STOP and think. 2. Identify the PROBLEM. (collect lots of information) 3. Identify the FEELINGS. (your own and other peoples') 4. Decide on a GOAL. 5. Think of lots of SOLUTIONS. 6. Think about what MIGHT happen next. (consider the consequences) 7. Choose the BESI solution. (evaluate all the alternatives) 8. Make a PLAN. (think about possible obstacles) 9. TRY your plan. 10. SEE what happens. (evaluate the outcome) 11. TRY another plan or solution if your first one doesn't





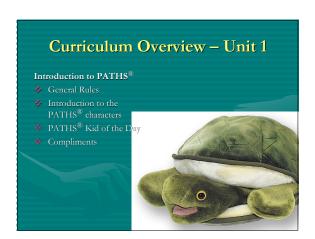








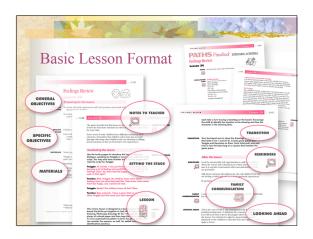




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## Curriculum Overview — Unit 4 Doing Turtle: Self Control, Anger Management and Signaling Distress \*Triggle Learns to Do Turtle \*Turtle Technique Review Appropriate Turtles \*Calm or Relaxed Twiggle Learns to Do Turtle





### What is the Optimal Form of Training and Support for Implementation?

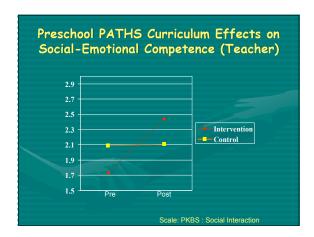
- ✓ Initial Training 2 day workshop
- PATHS Consultant (PC) visits each class weekly for observation in the first year
- PC meets with teachers individually or in group for 30 minutes/week
- PC receives ongoing technical assistance from PATHS Trainer
- ✓ Teachers use PATHS 3X/week for 20-30 minutes

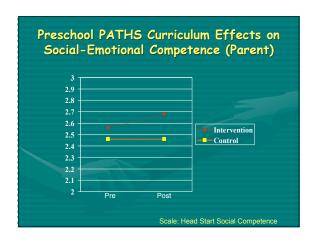
- There have been seven randomized clinical trials with preschool and elementary school-aged children
- Some are quite large (over 6000 children) and others are small (100 children)

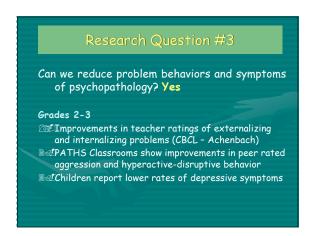
- Populations include:
   Typically Developing Children
   Children with Learning and Behavioral Disorders
   Children who are Deaf/Hard of Hearing
   Both Urban and Rural Populations Multiple Ethnicities
- All Conducted in the US or The Netherlands

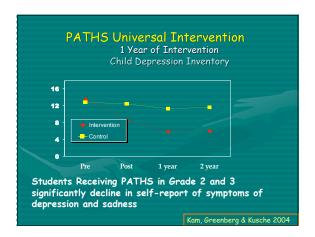
## Research Question #1 Can we improved emotional understanding? Yes Grades 2-3 Tmproved flexibility in discussing emotions Higher developmental complexity of emotional understanding Preschool Increased emotion accuracy Decreased anger bias

## Research Question #2 Can we promote greater social-emotional competence? Yes Grades 2-3 Figure 1. The provements in teacher ratings of frustration tolerance FATHS Classrooms show improvements in peer rated prosociality Preschool 1. Improvements in teacher ratings of SEC 2. Improvements in parent ratings of SEC

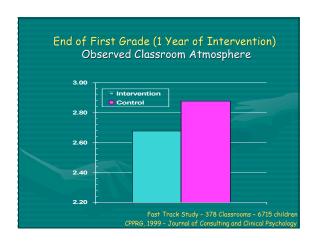


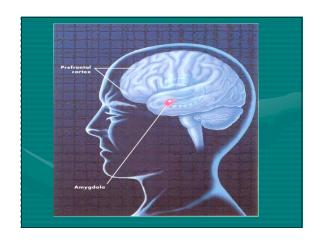












### **Pre Frontal Functions**

- REGULATIVE INHIBIT AND MODULATE ATTENTION
- PLANNING AND GOAL-SETTING
  (Working Memory)
  - SOCIAL

INTEGRATION OF EMOTION AND REASON FOR SOCIAL DECISION-MAKING

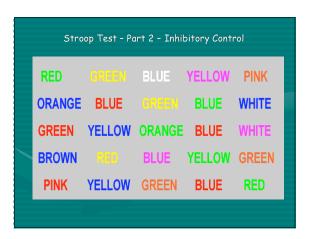
### Research Question #5

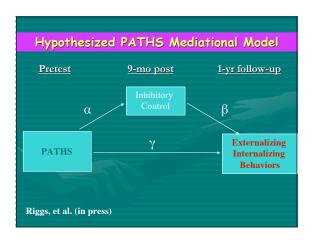
• 5a. Does the Intervention alter Executive Function?

Stroop - (Inhibition)
Verbal Fluency (Working Memory)

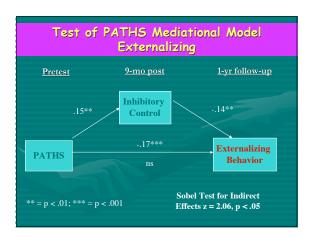
 5b. Do changes in Executive Function mediates the relation between intervention and decreased aggression or internalizing problems?

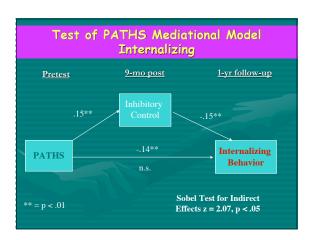
Stroop Test - Part 1					
	RED	GREEN	BLUE	YELLOW	PINK
	ORANGE	BLUE	GREEN	BLUE	WHITE
	GREEN		ORANGE	BLUE	WHITE
	BROWN	RED	BLUE		GREEN
	PINK		GREEN	BLUE	RED





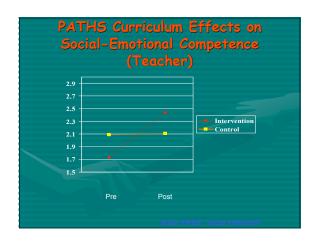
## Participants 318 regular education students in the Seattle School District. Random assignment of four schools Mean age = 8 years (2<sup>nd</sup> and 3<sup>rd</sup> grade students). 55% White, 33% African-American, & 12% Asian-American, Native American, or "Other."

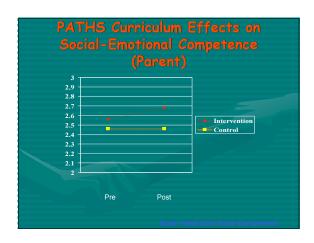




# How is PATHS Taught? > PATHS is designed to be taught directly by teachers approximately 3 times per week throughout each school year. > However, it is important to ensure that children generalize (i.e., apply the new skills in other situations) the use of PATHS skills to the remainder of the school day and to other contexts. > Thus, generalization activities and strategies are incorporated to be used throughout each school day and materials are included for use with parents.

## Research Findings With appropriate support, Head Start teacher can effectively implement PATHS with fidelity and alter children's outcomes in a one year period. Preschool PATHS improved children's social competence according to: 1. Multiple reporters of behavior (teacher & parent) 2. Direct child measures increased emotion accuracy reduced anger bias effect sizes (.28 to .40)



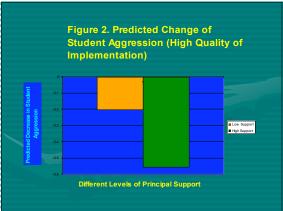


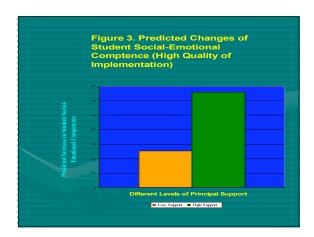
### Factors Influencing the Quality of Implementation

- Long-term Planning
- Effective Training
- Ongoing Consultation
- **Administrative Leadership**

### Implementation Measures

- Teacher Implementation
  - How well are PATHS concepts and skills taught by the teacher?
  - How well is the teacher generalizing PATHS skills across the classroom day?
- Principal Support
  - Quality of support for PATHS
  - Quality of support for the PATHS technical assistance team





### Change Requires Sufficient Pre-planning

Implementation of an SEL program is difficult because it creates change.

Pre-planning which provides information and builds awareness and a sense of efficacy makes the transition smoother.

### Pre- Planning

- Develop awareness
- > Develop buy-in
- > Create incentive to change
- Understand and deal with past history of program implementation

### Key Role of Administrative Support As there will always be at least some resistance to change, support from Center or Agency Director is critical. Administration plays a key role in program implementation and effectiveness. Start Small with Quality Implementation It is often effective to start small with a pilot year that provides ample and ongoing support to teachers and demonstrates feasibility in a particular context. Fidelity and Diversion from the Model Negative adaptations Shortening Program Omitting Critical Elements Reduced Training Lack of Generalization to other school staff

### Diversion from the Model

### Positive adaptations

- Maintains Critical Elements
- Maintains Training
- > Adapts materials for local needs
- Integrates with existing programs
- Adds components to build comprehensiveness

### Meet Needs of Teacher for Behavior Change and Academic Needs

PATHS focuses on providing two factors that are important for meeting teacher concerns.

- It provides clear techniques to support the new behaviors throughout the day.
- PATHS directly bridges to language arts and social studies. Teachers learn how an SEL program can help them meet academic standards and implement SEL curricula at the same time.

### Sustainability is a Process

- It requires buy-in from both teachers and administrators who have had sufficient experience to see the program work effectively in their context.
- This requires 3-5 years of implementation. Thus, a long-term plan for training and support is essential to more toward sustainability.

### THINKING CREATIVELY ABOUT KIDS AND ENVIRONMENTS "If you only have a hammer, you see every problem as a nail!" Ralph Waldo Emerson

### Integrated Social Development Programming for Young People Planned, Systematic Coordinated Mental Classroom-Based SEL Health and Health Instruction and a Services that Reinforce Supportive School SEL Instruction Climate School-Family After-School and Partnerships to Enhance Community Activities Social, Emotional, and that are Coordinated Academic Competence with School SEL Efforts

