Approaches to Learning: Research Implications for Improving School Readiness Daryl B. Greenfield University of Miami

download copy of slides at www.floridaheadstart.org

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Presentation Outline: Big Picture and Fine-grain Detail

Defining and Measuring School Readiness

Uniqueness of Approaches to Learning Domain

Research to Practice

Note: Links to Jonathan Mooney

U of Miami Research Team

J'Lene George

Iheoma Iruka

Pelin Munis

Ginny Vitiello

Jamie Jirout



Department of Education: Institute of Education Sciences: Funding for 10 University Interdisciplinary Ph.D. Training Centers In Educational Research

Two of the 10 are in Florida:

Florida State University — interdisciplinary research in educational sciences related to reading.

University of Miami -- in-depth, interdisciplinary study of educational issues arising in diverse, urban settings, with emphasis on low-income and bilingual populations at risk for poor educational outcomes.

Community Partners

Miami-Dade County Head Start Ophelia Brown/Jane Robinson

Florida Head Start Association William Fillmore/Judi Maloy/Juanita Heinzen

FHSA Research Committee

Liz Karas/Maggie Stevens

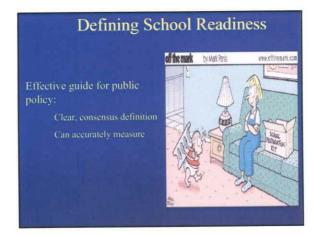
Head Start Collaboration Office



National Education Goals

1990: Eight National Education Goals were defined by the Governors and Congress to improve learning and teaching in the nation's educational system

Goal 1: Ready to Learn: By the year 2000, all children will start school ready to learn

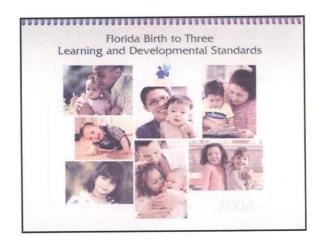


Defining School Readiness

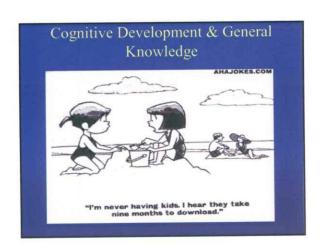
- Multiple domains
- · Growth spurts
- · Readiness for learning
- · Readiness for school
- · Maturational readiness
- · Learned readiness skills
- Home environment
- Classroom environment
- · Interaction with parents
- · Interaction with teachers · Interaction with peers
- Community resources
- Cultural context

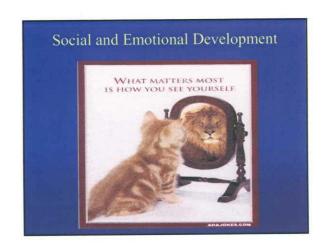


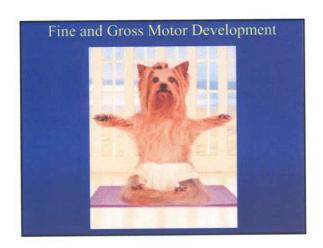














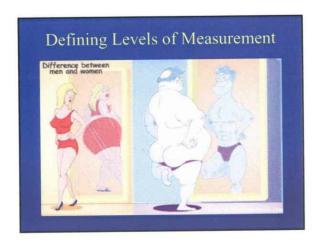
School Readiness in 2005

1990: National Education Goal 1: Ready to Learn: By the year 2000, all children will start school ready to learn -- this is now called Healthy Start 2010

We know a lot about school readiness, but still have a lot to learn.

Florida programs have much to offer as research partners to advance our knowledge to the benefit of young children and families.

Not all Measures Created Equal Advertising. Reality.



Ordinal Level of Measurement Can only determine order, not how MUCH more • Star Movie Rating System • Star Hotel Rating System

Low, Middle, High Income Rank in Army Regular, Choice, Prime Cut

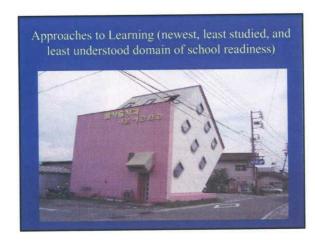
Interval Level of Measurement Can determine how MUCH more within and across domains Measures comparable growth, regardless of initial level

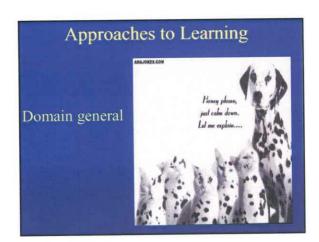
Multi-method and Multi-informant Obtained FROM Multiple Sources such as: Teacher, parent, child, curriculum specialist, health worker, relevant others using variety of methods such as teacher ratings & observations OF COMPSE, 17'S STILL A COMPSE MANAGED TO MOVE THESE MASSIVE STONES.

State of Florida, Fall, 99 Legislation: "School Readiness Act" Who measures what, how? Universal screening of school readiness at Kindergarten entry (State decides -- universal) Developmental assessment of school readiness during early childhood program (Local decision --variable) Some Consequences in Florida Acknowledges readiness is multi-faceted, but focus is on what children know and can do. Uniform statewide data are screening data NOT assessment data. Measures to collect data to assess how much children are learning (and program effectiveness) Make sure you understand difference between screening and developmental assessment: They do not address the same issues www.floridaheadstart.org

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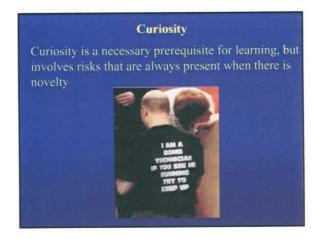


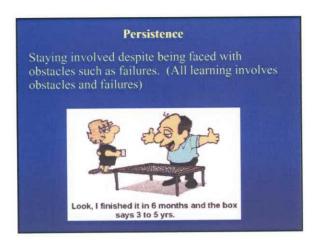
Domain Specific Skills

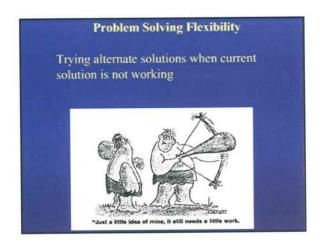
Five Content Area Readiness Domains (Language, Cognitive /General Knowledge, Health, Physical, Social/Emotional) Require Skills That Are Applicable Only in That Domain:

Learning to rhyme doesn't aid in learning to resolve peer conflicts

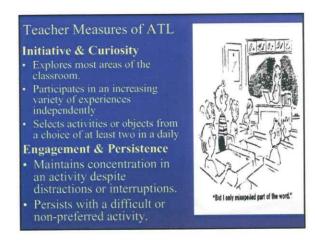
Learning to cut and paste doesn't aid in learning which objects sink or float

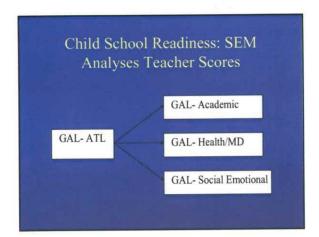


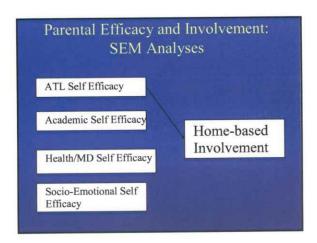


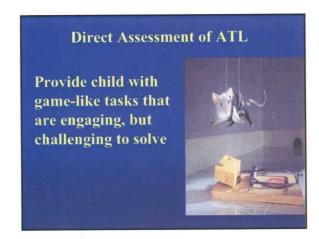


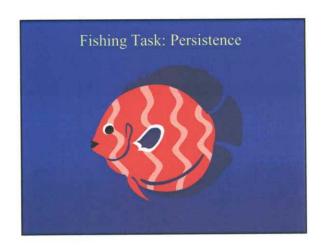
Preference for Challenge The motivation to attempt learning tasks that are not easily accomplishable and vary by level of difficulty **Attention Control** Ability to focus and maintain attention on a task in the face of distractions **Domain General Skills** Components of Approaches to Learning are Applicable for Learning in all other Readiness **Domains** For example, preschool children who learn to rhyme are curious about words that rhyme, flexible in the rhyming games they play and persistent in their pursuit of rhyme

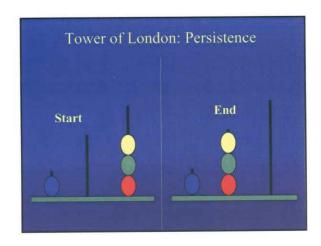


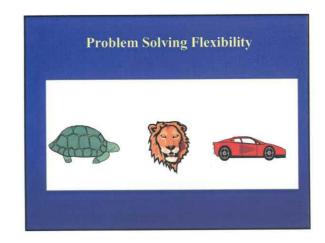


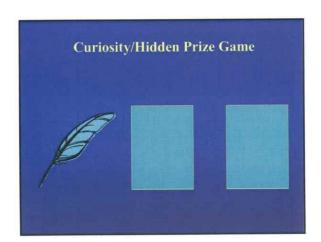


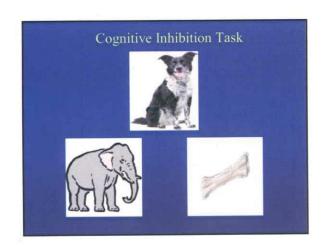


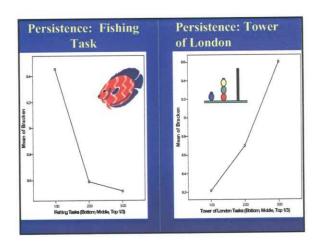


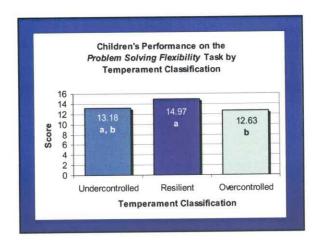


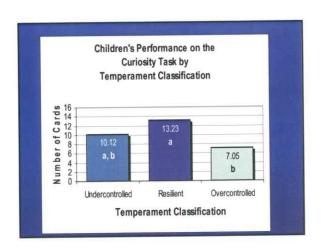


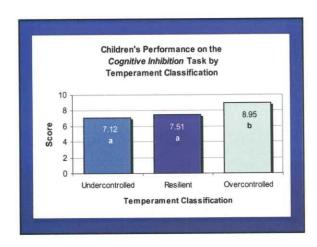


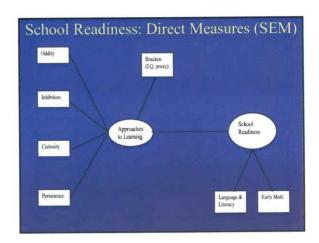












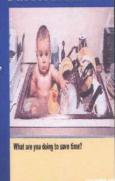
Research to Practice We should be able to teach young children to explore their interests (curiosity), try tasks that are challenging (preference for challenge), not give up when frustrated (persistence), and try alternate methods when they hit a dead end (flexibility)

ATL as foundation of Curriculum

National focus on language, other domains may be ignored

Short day, limited attention span, few "teaching moments"

Maximal development with hands-on learning across modalities (e.g., stories read, acted out, sung, reinforced with science, math and art activities) and day.



ATL Example

Developmentally /culturally appropriate books focus on approaches to learning skills (e.g., persisting on tasks with a high likelihood of initial failure)



Discussion of book centers on ATL concepts

- experiencing frustration pleasure at learning new
- pleasure at learning new things
- learning to be flexible and try different ways of accomplishing the task
- asking related questions while reading the story – what do you think he/she is going to do if this doesn't work





- support practice of ATL skills
- "cheerleading mechanisms to keep trying and try alternate



Take Home Messages

- - OK to ask for help; programs in control, so choose wisely
- Uniqueness of Approaches to Learning Domain

