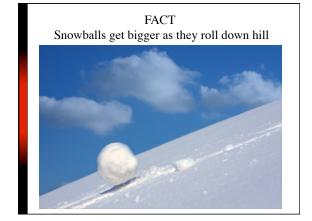
# What Matters in Effective Intervention?

- Student behavior won't change until adult behavior changes ADULT BEHAVIOR MATTERS
- ALL behavior change is an instructional process

**INSTRUCTION MATTERS** 

 Some things work better than others – what's the simplest way to make a difference in the success: failure ratio of a student?

**PROBABILITY MATTERS** 



# Project Follow-Through

- Project Follow-Through began in 1967. Its express purpose was to study instructional methods that would lead to a reduction in the disparity between low- and high-performing students by improving the performance of low-performing students. It was ultimately concluded in 1995 after consuming \$1 billion and conducting research on over 20,000 students nationwide.
- Each program had four to eight sites, with children starting in either kindergarten or first grade. Each Follow-Through (FT) school district identified a non-Follow-Through (NFT) district to act as a control group.
   The Department of Education hired two independent agencies to collect and analyze the data.
  - Metropolitan Achievement Test
  - Wide Range Achievement Test
  - Raven's Colored Progressive Matrices
  - Intellectual Achievement Responsibility Scale
  - · Coopersmith Self-Esteem Inventory

#### **Basic Skills Models**

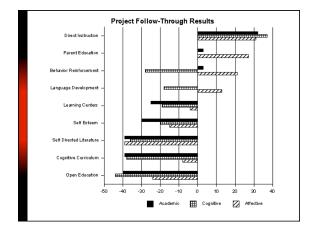
- Behavior Reinforcement: Social praise and tokens are given to children for correct responses and tokens are traded for desired activities. Teachers use scripts, and instruction is provided incrementally. Sponsored by the University of Kansas.
- Direct Instruction: This program emphasizes the teaching of phonemic awareness and phonics, using the DI techniques described above. The reading curriculum here is essentially the same SRA Reading Mastery curriculum that we are using. Sponsored by the University of Oregon.
- Language Development: is an eclectic approach emphasizing language development rather than explicit reading skills.
   Sponsored by the Southwest Educational Developmental Laboratory.

# Affective Skills Models

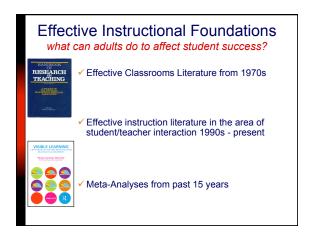
- Learning Center: is based on the "Head Start" nursery school approach, extended into elementary school. Children select their own learning options at learning centers where they select their own options in a classroom structured to provide maximal learning opportunities. Sponsored by the Bank Street College of Education.
- Open Education: is based on the British Infant School model, extended into elementary school. Learning centers were used here also, and children were further assumed to be entirely responsible for their own learning, with no teacher-directed instruction provided. Sponsored by the Education Development Center.
- Self Esteem: is another program utilizing learning centers, but here the
  curriculum emphasis was on the development of self-esteem. The
  central philosophy is that the curriculum must respond dynamically to
  the individual needs of each child. The specific curriculum here was the
  Responsive Education Model, sponsored by the Far West Laboratory.

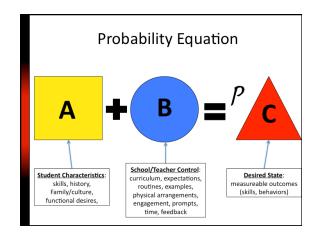
# **Cognitive Skills Models**

- Cognitively-Oriented Curriculum: Based on Piaget's theories of underlying cognitive processes, this curriculum encourages children to schedule their own activities. Teaching emphasizes "labeling and explaining causal relationships". Sponsored by the High Scope Foundation
- **Parent Education:** Parents of disadvantaged children are taught to teach their own children. Teaching emphasizes language instruction (precise nature not specified) and development of motor and cognitive skills. Sponsored by the University of Florida.
- Self Directed Literature: Students are exposed to literature relating to their own experiences and interest. Child-directed choices are emphasized, based in part on the assumption that student choice would enhance enjoyment and facilitate learning through each child's individual learning style. The specific curriculum here was the Tucson Early Education Model (TEEM), sponsored by the University of Arizona.



# Explicit Instruction Large-Scale Research and Meta Analyses • Direct Comparison Meta-Analysis Favor explicit instruction 87.3 % Tie 0.6 % Favor other methods 12.1 % • Students of all ages and abilities • Academic and social behaviors • Especially effective with low performers • Very successful with disadvantaged students





# Characteristics of Effective Classrooms

#### Effective Classrooms

- -low incidence of behavior problems
- -high success rates (80% or better)
- -Academic learning time/engaged time
  - -time with materials or activities related to the outcome measures that are being used

# Adult Behaviors Associated with Effective Classrooms

- Clearly specified goals and objectives
- ✓ Provide prompts and reminders throughout lesson
- ✓ Explicit directions
- ✓ Explaining, modeling, & demonstrating all content
- Engaging students throughout lesson
- Provision of opportunities for students to respond during instruction
- ✓ Group and individual responses
- ✓ Guided practice
- High levels of feedback
  - √ Specific praise
  - ✓ Correction

## **Effective Instruction**

#### **Explicit**

- · Show and tell students what it is that is expected & why
- · Monitor and guide to facilitate success

#### **Engaging**

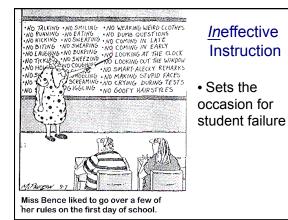
- · Opportunities to respond
  - Group (choral) or individual responses
  - Questioning strategies
  - Requests for student behavior (directions)

#### **Frequent Feedback**

- Verbal and Gestural
  - ✓ Positive and Negative
  - ✓ Correction

**Instructional Concept #1** 

**BE EXPLICIT** 



**Instructional Concept #3** 

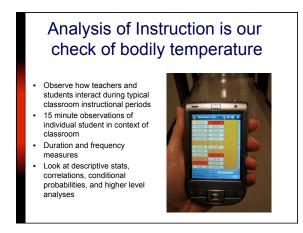
SELECT TEACHING EXAMPLES AND TEACH THEM

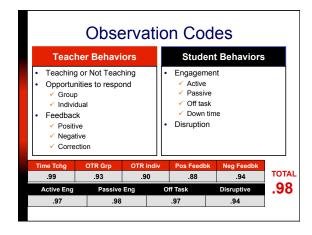
# **ACTIVITY**

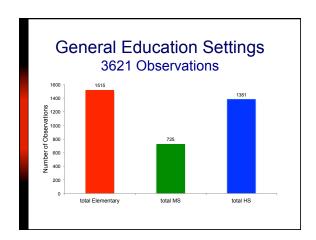
Let's try non-explicit social instruction:

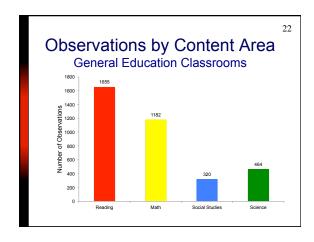
What is Zore?

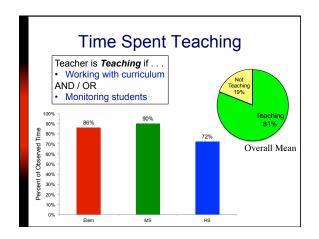
The concept is Zore Social Concept All examples are accurate What is really happening in classrooms?

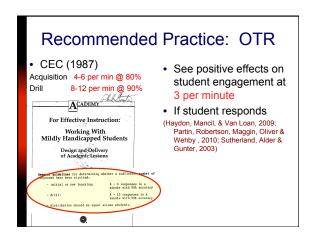


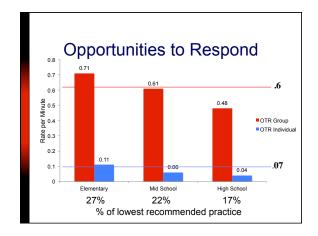




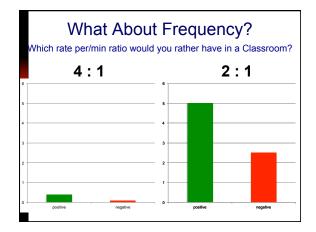


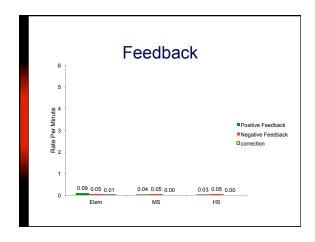


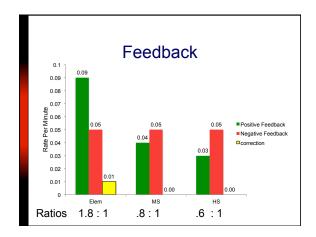


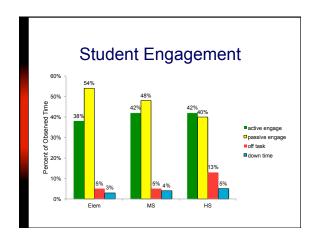


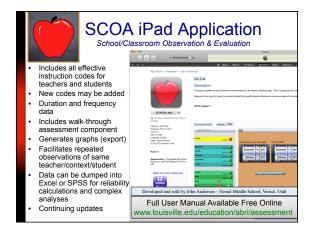


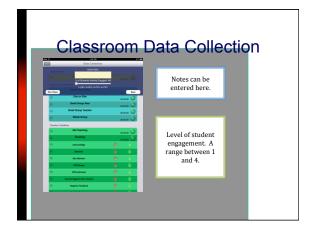


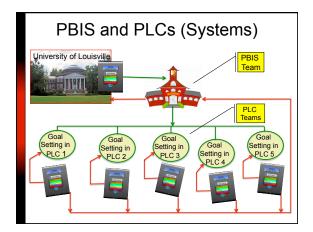


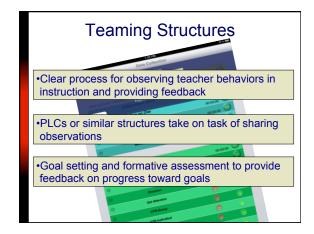


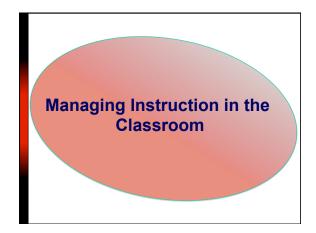




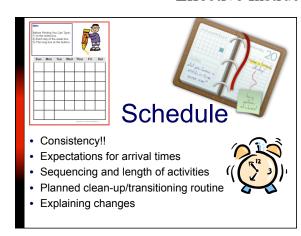


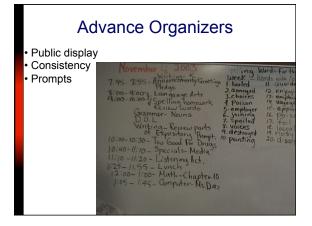




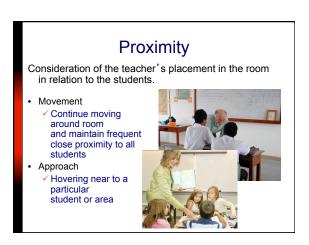


# Procedures and Routines • Define and teach classroom routines • How to enter class and begin to work • How to predict the schedule for the day • What to do if you do not have materials • What to do if you need help • What to do if you need to go to the bathroom • What to do if you are handing in late material • What to do if someone is bothering you. • Establish a signal for obtaining class attention • Teach effective transitions.

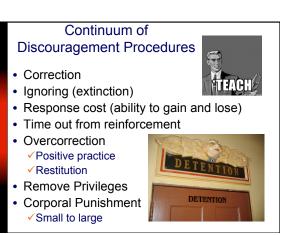












## **Consider Function**

Does this look like a punishment to you?



#### Good Behavior Game

- Group contingency involving competing teams Define teams and rules
  - how many teams?
  - what behaviors are the focus?
  - what is the contingency and how much is needed?
  - what is the length of time (hourly, daily, weekly)?
- Considerations
  - is it possible to focus on positive behavior (replacements)?
  - must be taught to class
    - Focus on replacement behaviors!!
  - present/remove points immediately upon behavior
  - make points public chart progress

## Good Behavior Game: Research

- Eighty-six percent of Good Behavior Game participants attained a high school diploma, compared with a rate of 19 percent among similar students who did not participate in the program.
- Ninety-nine percent of nonparticipants went on to use illicit drugs, compared with 66 percent of participants.
- Eighty percent of nonparticipants demonstrated antisocial behavior in later years, compared with 43 percent of participants.

ilongo, N. S., Werthamer, L., Kellam, S., Brown, C. H., Wang, S., & Lin, Y. (1999). Proximal impact of two first-grade preventive interventions on the early tisk behaviors for later substance abuse, depression, and artiscoid behavior. ellam, S. G., Ling, X., Merisco, R., Brown, C. H., & Islangon, N. (1998). The effect of the level of aggression in the first grade classroom on the course and maileability of aggressive behavior into middle school. Development and Psychopathology, 10: 165–185.

Psychopathology, 10, 165–185. Illam, S. G., Ling, X. Merisca, R. Brown, C. H., & Jalongo, N. (2000). The effect of the level of aggression in the first grade classroom on the course and malleability of aggressive behavior into middle school: Results of a development and Psychopathology, 12, 107.

#### Positive Peer Reporting Group Contingency with Focus on Individuals

- Define students and rules
  - how many target students vary by day?

  - what behaviors are the focus? what is the group contingency and how much is needed?
- what is the length of time (hourly, daily, weekly)?
- Considerations
- must keep focus on positive behavior (replacements)?
- vary target students nobody is target every day
- must be taught to class
  - Focus on how to compliment others
- teach for presentation of points immediately upon behavior
- make points public chart progress

"Miller, P.M., & Friman, P.C. (1996). Feed the hungry bee: Using positive peer reports to improve the social s and acceptance of a socially rejected girl in residential care. Journal of Applied Behavior Analysis, 29, 251-253.

# Group Contingency (all for 1)

A strategy for facilitating compliance from among an entire group of students that includes one student in need of change .

Normal	Jimmy, stop making goofy noises and get to work – you need to have this done by the end of the period.	(fart noise)!	Laughter from the room
Group Contingency	If there are no noises and nobody laughing at inappropriate noises we'll take 10 minutes extra for free time today	Working	All reinforced
,	we'll take 10 minutes	(fart noise)!	Others ignore

### **Behavior Momentum**

A strategy for increasing the probability of compliant behavior by asking a student to do two or three things they typically want to do and then following these requests with a request for a behavior the student typically does not want to do.

Normal	Johnny, you should get your project finished this morning			NO!
Behavior Momentum	Johnny, can you help me with these books?	Johnny, will you sharpen my pencil	Johnny, you should get your project finished this morning	ОК

# 

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