

## **Precision Teaching**

+ Founded by Ogden Lindsley

- + Extension of laboratory procedures in applied settings
- + Measurement systems designed for teacher to track learning performance
- + System thought to allow teachers to be more precise in their work
- + Expansion of the idea of standard visual display

















Examples of frequency aims 4 math facts + 80-100/minute, 0 errors + word problems with + 6 every 3 minutes, including equations, 0 errors whole numbers + 80–100 steps in 5 minutes, + fractions computation 0 errors + oral reading 180-220 words/min. 0-2 errors + find main idea in passage (75 words) + 8-10 main ideas in 10 minutes, 0 errors + sentence combining + 15-20 words in 3 minutes 68







## Frequency Building – The Timing Period

- + Pragmatically, the timing period is selected based on the skill and what fluency looks like for the skill
- For example, no one would pinch a clothespin for 1 min; do math facts for 5 min; twist a doorknob for 2 min, etc.
- + Therefore, we look to find the appropriate length of the timing period that produces enough practice for the skill to be easily applied and produce the outcomes of fluency



### Frequency Building – Running a Timing

- F Set a timer for the timing period this is a fixed timing
- + **State the goal** (terminal or intermediate) to the learner the need to know what they are aiming for
- + Provide your **free-operant practice materials** that are designed according to free-operant considerations
  - + You want to have multiple practice versions so the learner does not learn a sequence of responding



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# Frequency Building – Running a Timing

- + Start the timer with "please begin" + Why? Because manners matter
- + While the student is performing the skill, do not interrupt them – **fluency blocker**
  - + Like a coach, you can cheer and motivate, but **do not correct errors** if they occur during the timing
- + When the timing is over, indicate that the timing is over: "Thank you, stop"
  - + Again, manners matter

















#### Chart

- + Immediately after timing the performance, the data are dropped on the Standard Celeration Chart
- + Many different charts can be used in precision teaching
  - + Timings chart
  - + Daily per minute Chart
  - + Weekly per week chart
- + When data are charted, learning pictures emerge













































Acel data Decel data X MAINTAINING  $\mathbf{A}$ Acel aim +Decel aim Time bar  $\mathbf{A}$  $\mathbf{A}$ Χ. **X**-X Aim Get Truckin' **Rock Bottom** 





















### Rationale for Peer Coaching

- + Teachers are able to spend more time on problem solving.
- + Students learn more because feedback is powerful.
- + Students often learn better & faster from their peers.
- + Students learn the importance of self-evaluation.
- + Students learn self-management & self-monitoring skills.
- + Students learn from "teaching" (coaching) others.
- + Students learn social and cooperative learning skills.
- + Teacher's job is easier because the classroom is filled with effective "teachers" (peer coaches).



Peer coaching: 2nd and 3rd grade learners. After completing a 3-minute timing on editing a paragraph for correct punctuation, one partner gives feedback to the other about his performance.









