

INSTRUMENTAL ENRICHMENT—KEY POINTS (9/15)

Background

- Program is based on pioneering work of Reuven **Feuerstein**, Israeli psychologist
- Intelligence is **fluid**, not fixed
- “Instrumental Enrichment “(FIE) is a **systematic and well-tested** way of helping the learner acquire such strategies as: organizing, analyzing, comparing, categorizing, using logic, sequencing, finding patterns, and more
- **Two versions** of FIE—one for early childhood and special-needs learners, and the other for ages 9 and up (throughout the life span)
- All of these strategies **connect with all subjects** – they underlie science, history, literacy, math, the arts, etc.
- With the right materials and an appropriately trained teacher, **all** students can increase their learning capacities – **learn how to learn better**,

Method

- **“Mediation”** is the key method—teacher or parent leads the **learner** to be a problem-solver, not by telling, but by guiding, asking questions, encouraging, and assisting.
- **“Metacognition”** is a another key part of the process---thinking about thinking, which is reflecting on how you just solved a problem; becoming aware of your own thinking processes, so as to become more independent in later problem-solving situations.
- The program uses a combination of **visual, verbal, figural, and tactile** materials.
- In-depth **professional development** for teachers in the program is essential.

Results

More than **2000 research studies** over 60+ years show big improvements in students’:

Language	Problem-solving	Persistence	Planning	Finding alternatives
Math	Reduced impulsivity	Being more precise	Organizing	Making connections

More Information

- Contact: Irv Schein at lschein123@cs.com or David Martin at davidchina_2000@yahoo.com
- Review the website: www.ictaweb.org