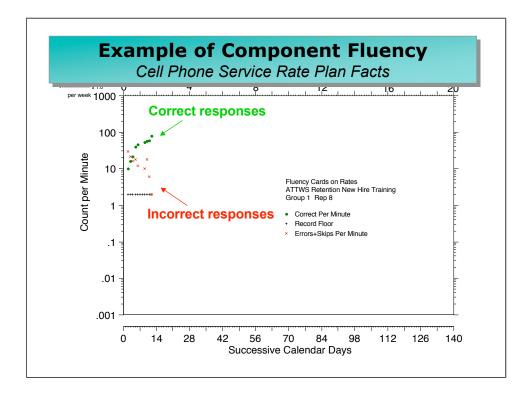
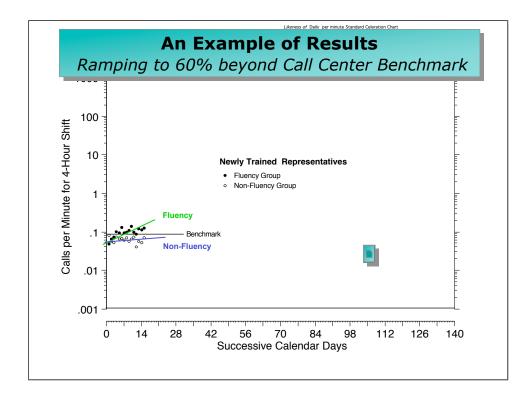
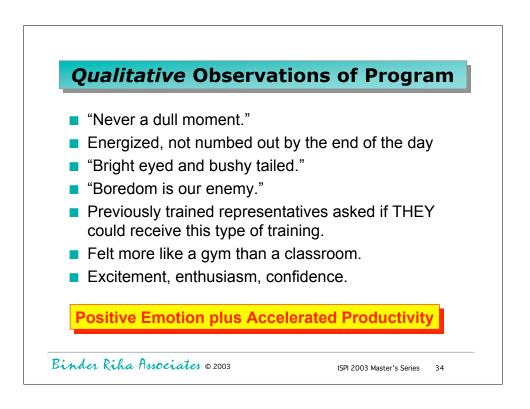
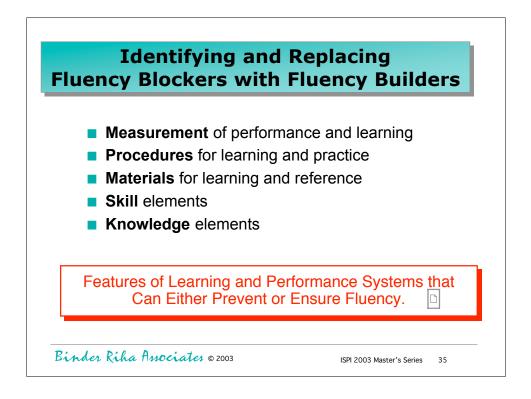


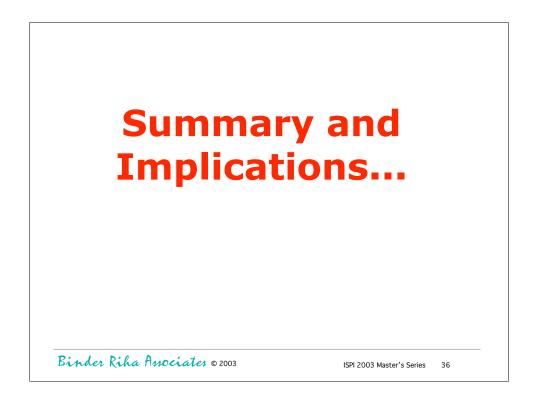
Call Center New Hire Training A Shift in Program Time Allocation		
	Previous Model	New Fluency Mode
Classroom Lecture	70%	25%
Observe Tenured Performers	10%	0%
Review and application of job aid	s 10%	15%
Fluency Practice Exercises	0%	55%
On-the-Job Training	10%	5%
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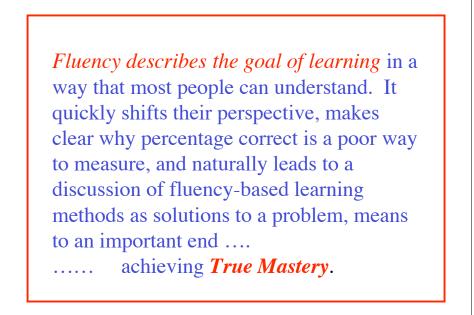












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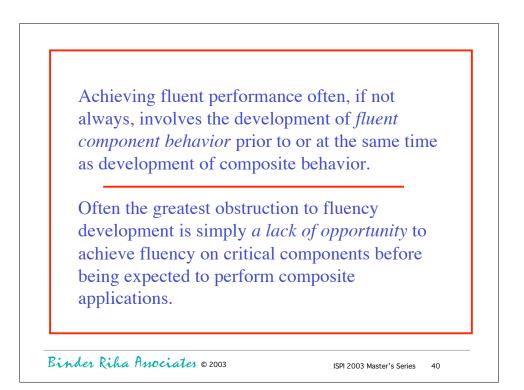


It is essential to design materials, procedures, user interfaces, and other elements of performers' environments to encourage rather than obstruct the development of fluent performance.

If we do *not* measure the time dimension, we will likely fail to build environments that support fluency.

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It is helpful to view learning as occurring in three stages: 1) *initial learning* for accuracy or quality; 2) *practice of components* for fluency and endurance; and 3) *application or combination of components* into composite behavior.

Many programs fail to produce mastery because they skip or minimize the 2nd stage and prematurely plunge learners into the 3rd stage before they can fluently perform key components.

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Perhaps the single greatest potential for improving the ROI of any program is to *allocate more time to practice on critical components* prior to requiring application or transfer.

This can usually be offset by trimming scope with careful front end analysis, allocating less time to initial learning, and reducing time needed for application by first building fluent components.

The revised program is almost always *significantly more cost-effective*.

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Replace Fluency Blockers with Fluency Builders

Does the MEASUREMENT method	IF YES, then
ignore the time dimension?	add time-based performance measurement and evaluation procedures.
provide too few response opportunities to fill the allotted time?	allow more response opportunities than an expert can complete in the allotted time.
lack explicit or sufficiently high fluency aims?	set aims that specify a <i>high standard of performance</i> (count per minute, duration, or appropriate pace – REAPS).

Do the learning PROCEDURES	IF YES, then
provide too few practice opportunities?	allow sufficient practice for each learner to achieve measured fluency.
prevent learners from moving at their own pace?	create opportunities for learners to practice and measure performance at their own pace.
limit the number of response opportunities per minute to a level below what top performers can complete?	change procedures to allow faster responding and prevent imposing arbitrary upper limits.
prevent or correct errors in ways that keep learners from gaining momentum?	treat errors as "learning opportunities" and place a high value on <i>fluent</i> responding.

Do the MATERIALS or ENVIRONMENT	IF YES, then
provide too few examples or non-examples?	include many examples to ensure learning.
drag down performance by being difficult to use, cumbersome, or inefficient?	create easy-to-use, efficient tools, materials, and ergonomics, and test for usability.
include unnecessarily wordy reference materials, work sheets, or directions?	revise and test for brevity and clarity.
present content that is difficult-to-read or understand?	edit or reformat for easier reading, accessibility, and comprehension.

Do learners have NON-FLUENT SKILL ELEMENTS that include	IF YES, then
critical steps in procedures or chained skills?	provide practice for fluency in critical steps.
"tool" skills or other components of more complex behavior?	ensure fluency in tool skills or other critical components.

Do learners have NON-FLUENT KNOWLEDGE ELEMENTS that include	IF YES, then
prerequisite knowledge that is not "second nature"?	provide practice for fluency in prerequisite knowledge topics (facts, concepts, structures, principles, classifications, or processes).
an inability to locate critical information in reference tools or job aids?	provide practice for fluency in using reference tools or job aids.