Ethnography Supports Changes to Student-Centered Instruction

TQR 4th Annual Conference

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work practice
discovering how people work

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US Education is changing

Race to the Top (RTTT)

No Child Left Behind

Race to the Top: Annual Professional Performance Review

Federal Programs

State Teacher Evaluations

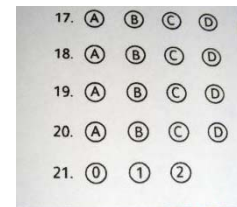**Advancing Technology**

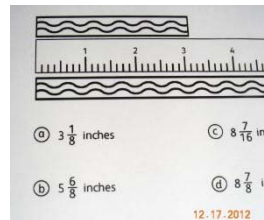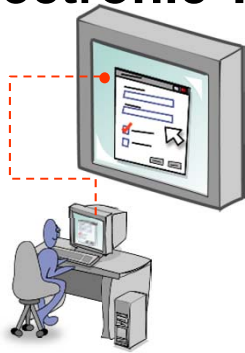**xerox** ®

Schools have to adapt

Standards

Common Core State Standards

Partnership for Assessment of Readiness for College & Careers

Assessments

Electronic Testing
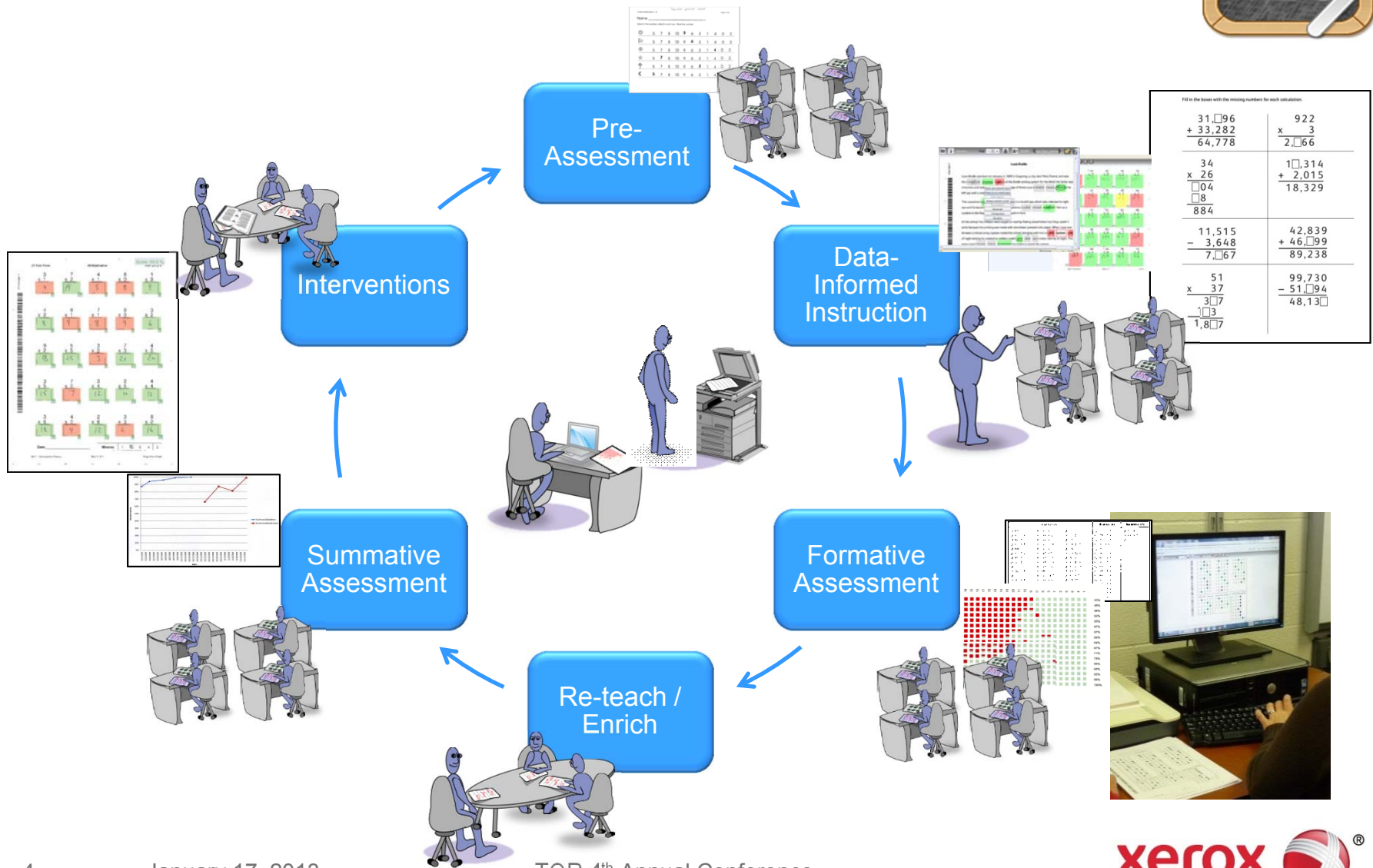
NWEA

Acuity

Yearly Progress Pro (YPP)

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Xerox Educational Assessment Management System supports adaptive learning

Pre-Assessment

Data-Informed Instruction

Formative Assessment

Re-teach / Enrich

Summative Assessment

Interventions

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Aiding the teacher behind the assessment

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Studying the Pilot

Work Practice Study

Alpha Test: 2011-12 school year

- – Technology pilot in 4 elementary schools, ~100 teachers, ~1,200 students.
- – Focus on assessment work process, user experience and administration data needs
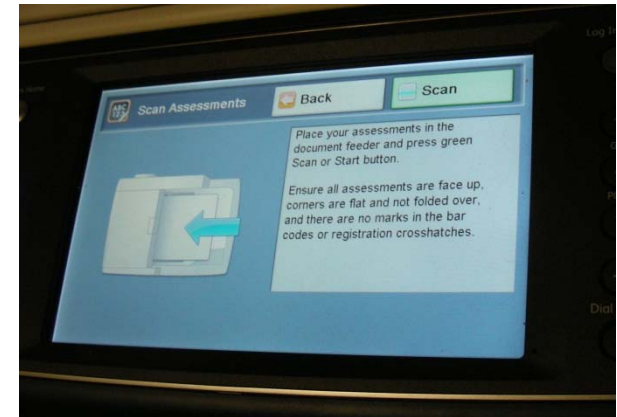
Beta Test: 2012-13 school year

- – Additional schools, commercialization focus
- – Identifying process changes and improvements

Site Challenges

No video allowed in classrooms

Relied on observation, audio and notes

Team coordination

Participants confused by multiple Xerox contacts

Repeated information transfer

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Ethnography Process & Methods

1) Systematic Observation

2) Open-ended Interview

3) Representing the Data

Create user Videotape Library and Database
- Video records
- Transcripts
- Site maps
- Mock-ups
- Scenarios of use

Team

Set Study Objectives

Select Site

4) Data Analysis

5) Co-design : Prototype

5) Co-design : Analytic

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Ethnographic Technology

Observation & Recording

Transcription Data Analysis

Brainstorming Co-development
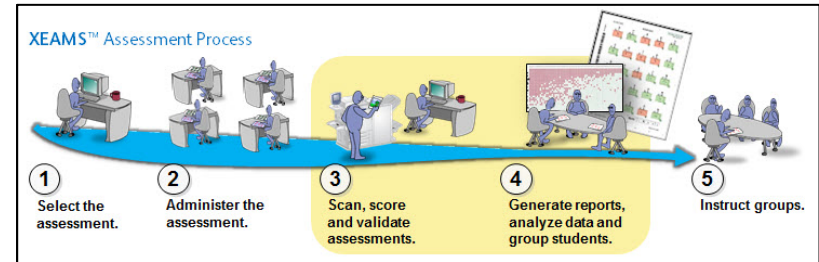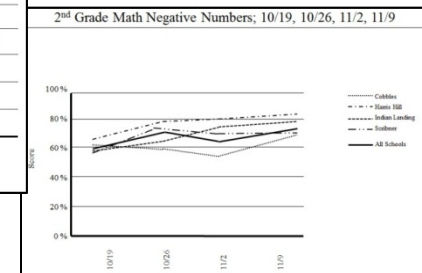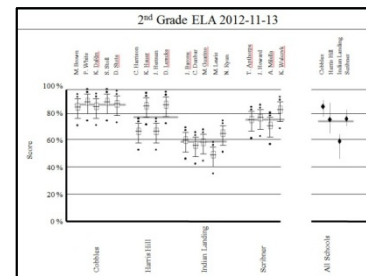
Representations

Outcomes

- **Improving integration with teacher processes**
  - Making the assessment process seamless

- **Flexibility for forming learning groups**
  - Providing data needed for regrouping

- **Administration roles and requirements added**
  - New data analytics for school and district personnel

Insights

- Different timelines accelerated feedback
  - Limited teacher and administrator availability
  - Ethnographers shared findings with pilot team, & participants iteratively

- Utilized pilot support team experiences

- Identified new development areas and opportunities

- Ethnographic process still works without technology

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Questions?

Thank you