

## Session Focal Points

Online Testing Initiatives in North Carolina  
2007 NC Middle School Association Conference, Greensboro, NC, February 27, 2007  
Presenters: Randy Craven, Scott Ragsdale  
<http://cskills.ncsu.edu/nccs/presentations/>

---

### Session Purpose

The purpose of this session is to update the audience on NCDesk, the Online Test of Computer Skills, and other online assessments used in North Carolina testing.

## General

### What Initiatives?

- Online Test of Computer Skills
- End-of-Course Online Physics Field Test
- End-of-Course Tests (optional 06-07)
- Writing Online Special Study
- Online formative assessments (i.e., ClassScape)
- Other online resourced assessments
  - ✓ **NCEXTEND1**
  - ✓ NCCLAS
- Other web applications supporting test development/maintenance:
  - ✓ Online Item Writing System
  - ✓ Experimental Section Review (ESR)

### Elements of Online Assessments

- More interactive
- Test Simulations required to be available
- More data can be collected
- Opportunity to expand the use of innovative items
  - ✓ Virtual/performance based items
  - ✓ Short and/or extended response
- Quicker data processing and reporting
- Reduction of materials management
- Students have a positive attitude for online testing
- Technology
  - ✓ Internet aware applications (NCDesk)
    - Java version
  - ✓ Browser based (EOC & Physics)
    - Session State Cookies
    - Javascript
    - Flashpaper / Interactive Flash Items / Flash player
    - Versions

### Performance Components

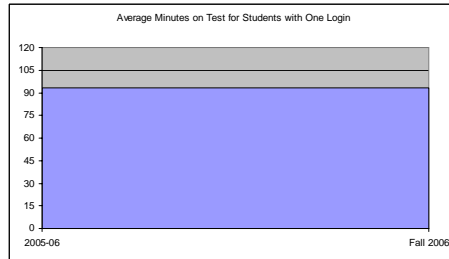
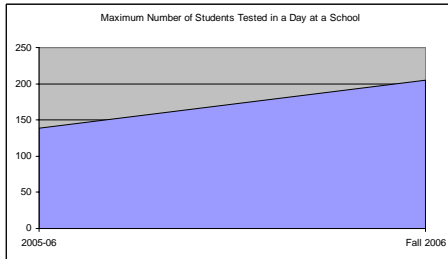
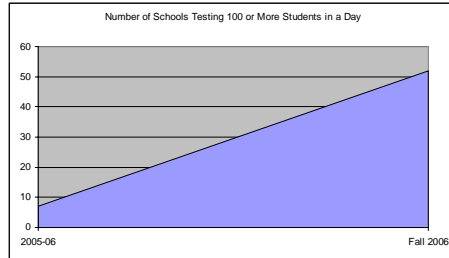
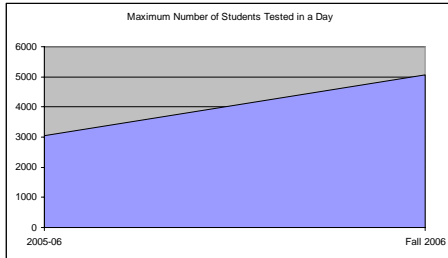
- Online Test of Computer Skills
  - ✓ 50% multiple choice
  - ✓ 50% performance
- Physics Online
  - ✓ Mostly multiple choice
  - ✓ Small number of performance-based items
- EOC Online
  - ✓ All multiple-choice
- Online Writing Special Study
  - ✓ Single prompt with essay response

# Online Test of Computer Skills

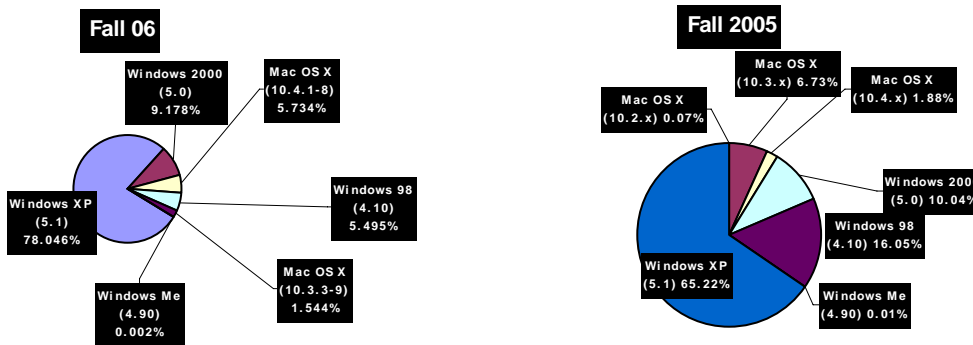
## Notable Preliminary/Unofficial Numbers from Fall 2006

- 205 students tested in one day at one school (for 05-06 this was 139)
- 52 schools tested 100 or more students in one day (for 05-06 this was 7)
- 5,068 maximum testing sessions used in a single day (for 05-06 this was 3,063)
- 23 days of testing in which volume of used sessions was 3,000 or more
- ~133,980 total students tested
- ~106,035 8th grade students tested
- ~2,228 different test administrators with 52 logging in 300 or more students
- ~3,446 students had the Computer Reads Aloud option

## Online Progress Indicators



## Platform Shifting



## Online Computer Skills Items for Spring 2007

- Testing Window 3/12/07 – 6/8/07
- NCRegistration accessible on 2/5/07 for scheduling, etc.
- Reports available to LEA Test Coordinators through NCRegistration
- JAWS compatibility not tested/approved – also newer versions of JAWS released since last tested – research/development ongoing process

## NCDesk – Moving Forward

- Adjustments for accommodating delivery of Writing assessments online
  - ✓ Assessment selection on login page
  - ✓ Programmatically remove spell check functions
  - ✓ Programmatically remove image insertion functions
  - ✓ Other features deemed necessary
- Additional features for testing audio functionality
- Additional features for viewing correct responses for the Test Simulation possible

## EOC

### EOC Online (Optional)

- Fall 2006
  - ✓ First time EOCs offered online as an option
  - ✓ One school participated in Algebra I
    - No problems reported
    - Students “enjoyed” it
- Spring 2007
  - ✓ Registration & Scheduling now available
- Not included:
  - ✓ Chemistry Field Test
  - ✓ Physical Science Field Test
  - ✓ Biology Field Test

### EOC Online (Optional) – *Moving Forward (Next Year)*

- Making the answer choices clickable
- Improvement of the calculator
  - ✓ Moveable/draggable on screen (within test interface)
  - ✓ Add graphing capability
- Improvement of online reference content
  - ✓ Moveable/draggable on screen (within test interface)
- Attempt to improve item view state preservation
  - ✓ Position
  - ✓ Zoom percentage
- Optional to continue until such time as it is no longer feasible to maintain paper-and-pencil testing.

## NCEXTEND2

### Online 2007-2008

- Process under way to present all **NCEXTEND2** in an online format
- Format similar to EOC Online
- Format for Writing would be delivered using NCDesk with a single editor item.

## Contact Information

Scott Ragsdale  
Project Manager, North Carolina Computer Skills Assessments  
NC State University, CUACS/TOPS  
scott\_ragsdale@ncsu.edu

Randy Craven  
Director, Technology Implementation  
NC State University, CUACS/TOPS  
randy\_craven@ncsu.edu

<http://cskills.ncsu.edu>  
<http://cuacs8.mck.ncsu.edu/eoc/>