

College Readiness and Post-Secondary Remediation

October 31, 2011



High School Graduation - 2009

# of graduates	86,716
# of entering community college	16,456
# of entering UNC universities	30,851

College Readiness Definition

(UNC Minimum Admissions Requirements)

- Successful completion of at least 21 credits
(22 credits effective with 2012-13 freshman class)
- 2 units of foreign language
- 1 unit of advanced math beyond Algebra II
- GPA of 2.3 (Fall, 2011)
- SAT score of 750
- ACT composite of 16



2010 SAT Scores for HS Grads

- **54,268 took SAT**
- 48,963 (90%) scored at least 750
- 45,463 (84%) scored at least 800



HS Students Graduated in 2009 and Enrolled in a CC and Developmental Course in 2009-10

# of 2009 graduates entering CC	16,456
# taking Developmental English	6,748
# taking Developmental Reading	4,819
# taking Developmental Math	9,486
# taking 1 Developmental course	4,693
# taking 2 Developmental courses	3,938
# taking 3 Developmental courses	2,809



Career Readiness Definition

- Same as college readiness

PLUS

- Four-unit concentration in a career cluster
- WorkKeys
- Unemployment rate of graduates seeking full time employment



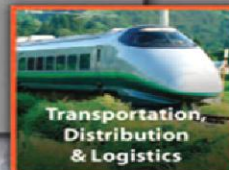
Unemployment Comparisons

(6-9 months after graduation)

Graduation Year	CTE Concentrators	All Youth 15-19
2009	5.0%	25.7%
2010	18.8%	27.0%



NORTH CAROLINA CAREERS



Career Clusters Guide

16 Career Clusters

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communications
- Business Management & Administration
- Education & Training
- Finance
- Government & Public Administration
- Health Science



16 Career Clusters

- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections & Security
- Manufacturing
- Marketing
- Science, Technology, Engineering & Mathematics
- Transportation, Distribution & Logistics



State Board of Education Mission Statement

The guiding mission of the North Carolina State Board of Education is that every public school student will graduate from high school, globally competitive for work and postsecondary education and prepared for life in the 21st Century.

University and Community College Readiness Measures

- Varies by institution
- Universities: Multiple measures
- Community College: Placement test scores



K-12 Definition of Remediation

Multiple measures including

- Course taking patterns
- Course grades
- Diagnostic assessments
- ACT/SAT scores
- Community college scores



Specific Course Credit Requirements for HS Graduation

- **Math** – 4 Credits (Algebra I, Geometry, Algebra II) OR (Integrated Math I, II, III); 4th Math Course to be aligned with the student's post high school plans
- **English** – 4 credits
- ***Social Studies** – 3 credits (Civics and Economics, World History, US History)
- **Science** – 3 credits (a physical science course, Biology, Environmental Science)
- **Health and Physical Education** – 1 credit
- **Electives** - 6 Credits
 - 2 elective credits of any combination from either Career and Technical Education, Arts Education, World Languages
 - 4 elective credits strongly recommended (four course concentration) from one of the following-- Career and Technical Education, JROTC, Arts Education (e.g. dance, music, theater arts, visual arts), any other subject area (e.g. social studies, science, mathematics, English), Arts Education, World Languages

* 4 credits effective 2012

K-12 Supports

- Diagnostic assessments
- Credit recovery
- Personalized education plans
- Yearly end-of-grade and course tests
- Graduation resiliency software



Race to the Top Targets

- Student achievement as measured by NAEP
- Graduation rates, 4 yr.
- College readiness
 - Average SAT composite (% grads taking)
 - Grads scoring 3 or above on one or more AP exams
 - Proportion of freshmen enrolled in at least one remedial course, UNC and Community College
- College enrollment, % of HS grads who enroll in postsecondary programs



Four Proposed Components of Accountability

Performance Composite

% of students scoring proficient on new Algebra I, English II and Biology defined by new SCOS

ACT Readiness Benchmarks Achieved

% of students scoring at a college and career ready level on the four ACT components

Graduation Rate

% of students in cohort graduating from high school within 5 years

Math Course Rigor

Graduates who took and passed Algebra II or Integrated Math III



PLUS

- Career Readiness WorkKeys
- Senior Project
- Advanced Placement



Diagnostic and Formative Assessments (Student)

Accountability Assessments (School)

12
11
10
9
8
7
6
5
4
3
K - 2

12
11
10
9
8
7
6
5
4
3
K - 2

ACT

PLAN

EXPLORE

K-5 Diagnostics

WorkKeys

ACT
 State-wide administration; State pays

SAT or ACT
 Student paid/Demonstrated College Readiness

3 EOCs

Math, ELA & Science EOG

Math & ELA EOG

Math & ELA EOG

Math, ELA & Science EOG

Math & ELA EOG

Math & ELA EOG

Absolute Performance Index

Growth/Change Index

Performance Composite
from End of Course Assessments

Post-Secondary Readiness

Graduation
Rates

Math
Course Rigor

*Are students
learning
important
things?*

*Are students
graduating?*

*Are students taking and
passing challenging
classes?*

Student Growth
from End of Course Assessments

△ Post-Secondary
Readiness

△ Graduation
Rates

△ Math
Course Rigor

*How well does this school
prepare students?*

Are they getting better over time?

What are the ACT College Readiness Benchmarks?

“The ACT Benchmarks are minimum scores on the ACT English, Mathematics, Reading, and Science Tests that reflect at least a **50 percent chance of achieving a B or higher grade**, or at least a **75 percent chance of a C or higher grade**, in entry-level, credit-bearing college English Composition, College Algebra, social science, and Biology courses, respectively.”

~ACT’s College Readiness System, 2008

They are based on an empirical study but they - by themselves - are not the only thing it takes to be **READY** for the next step.



Recommendations

1. Implement fully the diagnostic assessment model



Recommendations

2. Implement an academic camp for juniors not on target of being career and college ready



Recommendations

3. Use multiple measures of determining remediation at the post-secondary level
 - Class rank
 - Class grades
 - Placement assessments



College Readiness and Post-Secondary Remediation

Questions?

