

GRADUATION RESILIENCY

Presentation to North Carolina General Assembly
House Select Committee on Education Reform

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Graduation and Dropout Prevention Initiatives

PURPOSE

To facilitate an early warning system with research-based risk factors for identifying students who may be at risk of dropping out of school.

RTTT and *GR*

- Dropout prevention is implicit in all four pillars (effective teachers/leaders; low-performing schools; standards/assessment; data systems)
- Employing the graduation resiliency software could be one of the activities outlined in Scope of Work
- Would provide baseline data and subsequent services would result in outcome data
- Proactive not reactive

RESEARCH ON EARLY WARNING INDICATORS

On-track Credits

- An on-track student has accumulated the requisite number of credits to move to the next grade level.
- An on-track student has no more than one semester “F” in a core subject.

(Allensworth, 2009)

RESEARCH ON EARLY WARNING INDICATORS

Attendance

Eight times more predictive of failure than prior test scores. A student who has more than 5 absences in one semester of the 9th grade year has a 63% chance of graduating in four years. *(Allensworth, 2009)*

RESEARCH ON EARLY WARNING INDICATORS

GPA

- Students with a “B” (3.0) average or higher in the first year have better than a 93% chance of graduating
- Students with a D+/C- (1.0-2.5 GPA) average have a 53-92% chance of graduating
- Students with less than a “D” average (1.0) have less than a 6% chance of graduating.

(Allensworth, 2009)

RELEVANT NCWISE DATA

- Student name, pupil number, birth date, ninth-grade entry date
- Attendance data, both current and historical
- State assessment achievement level data
- Final marks for all middle school/high school courses
- Most recently calculated GPA (calculated at year-end for grades 9-12)

NCWISE REPORTS

Four *Graduation Resiliency* reports available in NCWISE

- ✓ Ninth grade
- ✓ Tenth grade
- ✓ Eleventh grade
- ✓ Twelfth grade

NCWISE REPORTS

(continued)

- Reports are designed for availability just prior to the start of school allowing counselors to identify the “at risk” students.
- Reports consider the student’s historical data.
- Executed at the beginning of school year for identification of individual student issues.
- All risk factors carry the same weight.

NCWISE REPORTS

(continued)

- Reports are available on the NC WISE Reporting Hub – web-based tool
- Accessible to NC WISE School Data Managers, the LEA Coordinators, Principals, and Others
- Reports have about 10 columns, one record per student.
- Reports can be downloaded into MS Excel for sorting and analysis.

Areas of student performance

- Attendance through middle/high school
- Final course marks in key elementary/middle school courses
- Successful completion of high school courses essential to graduation within an appropriate timeframe, as indicated by state assessments
- Cumulative credits earned in each high school year
- Continuous cumulative grade point average

Information Source

- All report data is *historical*.
- Reports are run at the *start* of the school year.
- Source data is **not** updated after the start of the school year.
- Reports consider data from *previous* years.
- Ninth grade report analyzes student data from grades 6, 7, and 8.
- Tenth, eleventh, and twelfth grade report analyzes data from the previous school year.

Report Availability

- A ninth grade report, ***to be run at the start of ninth grade***, considering the previous 3 years
- A tenth grade report, ***to be run at the start of tenth grade***, considering ninth grade data
- An eleventh grade report, ***to be run at the start of eleventh grade***, considering tenth grade data
- A twelfth grade report, ***to be run at the start of twelfth grade***, considering eleventh grade data

Ninth Grade Risk Criteria

- Final grade for standard required math course (grades 6, 7, 8) < C
- Final grade for standard required English course (grades 6, 7, 8) < C
- Total daily absences, in any one school year, exceed 5 daily absences

Tenth/Eleventh/Twelfth Grade Risk Criteria

- Total absences, in any one school year, exceed five
- GPA <2.0
- Achievement Level of I or II for EOCs
 - *English I*
 - *Algebra I*
- Failure to achieve an expected level of course credits after each year in high school
 - *At beginning of grade 10, less than 5 earned credits*
 - *At beginning of grade 11, less than 10 earned credits*
 - *At beginning of grade 12, less than 15 earned credits*

Report Details

- All reports are **school level** reports
 - Each report **only** contains students “at risk” for dropout
 - Each student has **only** one record in the report
 - **Each column** of the report represents a potential dropout risk factor
 - If there is no data for a particular risk factor, the column for that factor indicates “no data”

Report Details *(continued)*

- Risk Level ***calculated*** using only the available data points
- **No variable weighting** factor. All risk factors carry the same weight.
- Risk Level must be **.25** or above for the student to be included in the report.

Ninth Grade Sample Report

SCHOOL NAME	PUPI L#	9th Grade Entry Date	BIRTH_ DATE	STUDENT Name	SIXth _Grd ABS	SEVN Grd ABS	EIGHT Grd ABS	SIXth Grd ENGL	SEVN Grd ENGL	EIGHT Grd ENGL	SIXth Grd MATH	SEVN Grd MATH	EIGHT Grd MATH	RISK
NCWISE HS	1	7/1/2010	6/30/1995	Student1	2	8	5	C+	D	F	D-	F	D	0.67
NCWISE HS	2	7/1/2011	7/12/1996	Student2	14	3	28	no data	C	F	80	C	D-	0.5
NCWISE HS	3	7/1/2011	9/20/1996	Student3	16	6	0	no data	B	A-	no data	B-	A-	0.29
NCWISE HS	4	7/1/2010	8/29/1993	Student4	no data	6	18	no data	no data	F	no data	P	F	0.8
NC WISE HS	5	7/1/2010	4/10/1995	Student5	9	24	no data	D	no data	no data	F	no data	no data	1

Ninth Grade Sample Report

SCHOOL NAME	PUPI L#	9th Grade Entry Date	BIRTH_ DATE	STUDENT Name	SIXth _Grd ABS	SEVN Grd ABS	EIGHT Grd ABS	SIXth Grd ENGL	SEVN Grd ENGL	EIGHT Grd ENGL	SIXth Grd MATH	SEVN Grd MATH	EIGHT Grd MATH	RISK
NC WISE HS	6	7/1/2010	8/18/1995	Student6	3	5	5	C+	D	F	C	F	D	0.44
NC WISE HS	7	7/1/2011	3/20/1996	Student7	1	4	13	A	C-	B-	A	C-	C	0.33
NC WISE HS	8	7/1/2010	2/20/1995	Student8	5	9	13	C-	B-	F	C+	B-	D	0.56
NC WISE HS	9	7/1/2011	8/23/1996	Student9	7	6	6	A	C	D	C	C	C	0.44
NC WISE HS	10	7/1/2011	2/18/1996	Student10	no data	9	7	no data	94	92	no data	94	92	0.33

Example: Student#1

- Rising ninth grader
 - 2 absences in sixth grade
 - 8 absences in seventh grade - risk factor
 - 5 absences in eighth grade
 - Sixth grade English final mark is “C+”
 - Seventh grade English final mark is “D” - risk factor
 - Eighth grade English final mark is “F” - risk factor
 - Sixth grade math final mark is “D-” – risk factor
 - Seventh grade math final mark is “F” – risk factor
 - Eighth grade math final mark is “D” – risk factor
- RISK FACTOR is 67% (6 of 9 factors qualify as risks)

Report Names

The NC WISE reports to be used in the Graduation Resiliency process are called the “*Early Warning Reports*”.

- 9th Grade Dropout Early Warning Report
- 10th Grade Dropout Early Warning Report
- 11th Grade Dropout Early Warning Report
- 12th Grade Dropout Early Warning Report

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