College & Career Readiness

Mapping the Future for Students K-12

October 2014
Agenda

Purpose

Background
- Research
  - What is Readiness?
  - K-12 Approach to CCR
  - Forming an Understanding of Work and Careers
- From Research to RISD
  - Nepris
  - Naviance
  - Duke TIP

Findings
- Kindergarten Readiness
- Career Path Awareness & Transition
- College-Going Culture
- RISD Distinctions
- Assessment Section
  - SAT & PSAT
  - ACT & ACT Aspire
  - Advanced Placement
  - Dual Credit
  - National Student Clearinghouse

Strengths & Challenges

Next Steps & Recommendations
Purpose

College & Career Readiness
Purpose

- Review Research on Career Development
- Update College & Career Readiness Activities K-12
- Share Alignment of Activities
- Review Data Points
- Discuss Points of Pride, Challenges, and Next Steps
Background

College & Career Readiness
Background

Research Section

research (noun) 1 the systematic study of materials facts
What is Readiness?

read·i·ness
\l\red\d\i\n\nou

The state of being fully prepared
Adults and children in schools with cultures that emphasize college and careers habitually engage in behaviors and practices that demonstrate the pervasive school-wide belief that all students can enroll in postsecondary education and be successful.

-David Conley
RISD: K-12 Approach to CCR

College-Going Culture

- Assessing Readiness
- Forming an Understanding of Work and Careers
- Rigorous Coursework & Testing
- Career Path Awareness
- College Readiness System
- Transition Planning
Research: Forming an Understanding of Work and Careers

- Classifications of People
- Understanding the Adult World
- Symbolized Play
- Fictitious Career Aspirations

Career Development Stage 1  Orientation to Size & Power  Age 3 to 5

-Linda Gottfredson
Research: Forming an Understanding of Work and Careers

Career Development Stage 2  Orientation to Gender Roles  Age 6 to 8

- Uni-Dimensional Thinking by Gender
- Concrete Thinking with Highly Visible Occupations
- Making Connections with Parents’ Jobs

-Linda Gottfredson
Research: Forming an Understanding of Work and Careers

<table>
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<tr>
<th>Career Development Stage 3</th>
<th>Orientation to Social Valuation</th>
<th>Age 9 to 10</th>
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<td>Identifying Occupational Floors and Ceilings</td>
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-Linda Gottfredson
Research: Forming an Understanding of Work and Careers

- **Understanding**
  - Stage 1: Age 3 to 5
    - Orientation to Size and Power
  - Stage 2: Age 6 to 8
    - Orientation to Gender Roles
  - Stage 3: Age 9 to 13
    - Orientation to Social Valuation

- **Exploration**
  - Identifying Interests
  - Knowing Why & Why Not
  - Personal Reflection

- **Elimination**
  - Incomplete Occupational Map
  - Perceived Academic Ability
  - Personal Motivation
  - Social Status
  - Family Expectations
Research: Forming an Understanding of Work and Careers

Initial Career Decision Making

- Incomplete Occupational Map
  - Perceived Academic Ability + Personal Motivation = Occupational Ceiling
  - Social Status + Family Expectations = Occupational Floor

In RISD, Enrichment Clusters help prevent constriction by increasing opportunities for exploration.

-Linda Gottfredson
Background

From Research to RISD
Nepris is an online resource which connects teachers to industry professionals.

Nepris has been used in CTE courses in RISD and is now being piloted by the Enrichment Cluster Focus Group in grades K-6.
Naviance is a comprehensive college and career readiness platform for students in grade 6-12 that helps connect academic achievement to post-secondary goals.
## Naviance Scope & Sequence

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Naviance

Improves College Readiness

Enables Students
- Finds College and Career Pathways
- Monitors Personalized Goals
- Matches Skills and Interests to Careers
- Explores Career Options
- Searches for Colleges
- Applies for Scholarships
- Tracks Admissions Status

Enables Staff
- Sets Goals and Priorities
  - Tracks progress
- Measures Student Outcomes
- Manages College Planning and Career Goals
- Maximizes Institutional Effectiveness
- Automates Transcript Delivery
- Enhances Communication with Students and Families

Enables Parents
- Provides Insight on the College and Career Timeline
- Encourages Parent-to-Student Collaboration
- Sets and Reviews Goals
- Guides Parent and Students Towards College-Readiness
- Partners Families with Schools

*All high school parents have the log-in for their student.*
Duke TIP 7th Grade Talent Search helps families determine advanced academic abilities of their students.

- Pipeline to National Merit
- 4th-6th Grade Entry Point for “Talent Search”
- 7th Grade Students Take Either ACT or SAT

Qualification

Score at or above the 95th Percentile on a Recent Grade-Level Test

Participants Receive

- Recognition
- Online Curriculum
- Educational Resources
- Access to Research-Based Advice
Findings

College & Career Readiness
Assessments for Determining Readiness

Brigance*  ACT Aspire*  ReadiStep  PSAT  SAT  ACT

K  3  8  10  11  11
4  5  6  12  12
7  8

*For some assessments, a representative sample, versus all students, participate.
Kindergarten Readiness

“Being ready for school is tied to success later in life.”

- Commit2Dallas

- Higher Employment Rates
- Less Welfare Utilization
- Less Criminal Activity
- Greater Long Term Academic Success
- Lower Educational Costs
- More Efficient Learning

KINDERGARTEN READY

Heckman, 2005, 2011
In addition to administering DIBELS to assess readiness, RISD is participating in a pilot with Commit at 4 campuses to administer a nationally normed test.
Career Path Awareness & Transition

**Elementary**
- 6-Year Plan
- Exploration of Career Clusters (Naviance)
- Pre-AP Parent Night
- Nepris Pilot
- AVID
- Junior High Visits
- High School Visit (CCR Day)
- College & Career Days
- Visuals

**Junior High**
- 6-Year Plan
- Naviance
- CTE Pathways
- Pre-AP Courses
- AVID

**High School**
- Naviance
- AVID
- Pre-AP and AP Courses
- Dual Credit
- College & Career Fair
- College Visits
- College & Career Readiness Centers
College-Going Culture

College Wear

Audelia Creek Elementary

Students have class sets of College Wear for each classroom. In these classrooms, students wear UT and Texas A&M.

Aikin Elementary

Article in the Lake Highlands Advocate Requesting College Shirts for “Think College Thursday”

Teachers at Aikin Elementary hope to collect a college t-shirt for each student who’d like one.

Alison Manthey Acy believes it’s never too early to think about college. The 2008 Lake Highlands High grad and fourth grade teacher at Aikin Elementary is one of several teachers there encouraging students to wear college t-shirts on “Think College Thursdays.” They want children to envision a bright future which includes higher education.

Many of her students, she says, will be the first in their family to attend university.

“My whole life growing up, I knew I was going to college,” says Alison. “The only question was which one. I went to different sporting events and wore college t-shirts, then started really researching colleges in high school.”

Alison first chose Oklahoma University because of their sports teams, she says, then switched to the University of North Texas for their nationally-ranked education program.
Richardson High School Entryway

The staff at Richardson High School recently posed for a group photo in their college shirts to show their support for dreams, decisions, and destinations.

You will find this banner hanging wall to wall in the main entryway.
College-Going Culture

Colleges are highlighted with photos of the campus, fun facts, distance from Richardson, and famous people who attended the university.
College-Going Culture

College Hallways and Doors

Richardson West Junior High

During College Success Week, teachers decorate their doors with uplifting messages about reaching your highest potential.

Thurgood Marshall Elementary

Teachers across the district post the college they attended next to their classroom door, such as the one in this snapshot.
College-Going Culture

College Bulletin Boards

Jess Harben
Teachers have conversations with students about classes they would like to take when they attend college.

Jess Harben
As students learn about colleges, they also learn about famous people who attended each college and their major.
College-Going Culture

College Banners & Pennants

Free college banners will hang throughout the hallways at many of our elementary schools by December, thanks to the College Football Playoff Foundation and Commit2 Dallas.

College Pennants are posted throughout the library at RHS and in the hallways of our Junior Highs and High Schools.
College-Going Culture

College Goal Setting

Berkner High School

“Senior Way” hallway is dedicated to honoring post-secondary goals.
College-Going Culture

College Visits

RISD Academy

This campus, and several others from RISD, attend UTD for Math & Science Camp where students participate in interactive learning experiences in a college setting.
RISD Distinctions

- RISD is 1 of 26 districts in the state of Texas to earn the Post-Secondary Readiness distinction.
- RISD is the largest and most diverse district to receive such an honor.
- All High Schools and Junior Highs received the Post-Secondary Readiness distinction.
- 75% of Elementary Schools received the Post Secondary Readiness distinction.
Findings

Assessment Section
The total number of students participating in college assessment tests continues to rise.
PSAT/SAT

3 Components

Aptitude Test

Critical Reading
- Sentence Completion
- Vocabulary
- Complex Sentences
- Passage-Based Reading
- Humanities
- Literary Fiction
- Social Studies
- Natural Science

Writing
- Identifying Sentence Errors
- Improving Sentences
- Improving Paragraphs
- Essay Writing

Math
- Numbers & Operations
- Algebra & Functions
- Geometry & Measurement
- Data, Analysis, Statistics and Probability
While 10th grade scores dropped in 2013-14, Writing scores remain above the state. 11th grade scores spiked this past year due to students self-selecting to take the test.
While 10th grade scores dropped in 2013-14, Math scores remain above the state and nation. 11th grade scores spiked this past year due to students self-selecting to take the test.
SAT Participation Rates in RISD dropped 6 percentage points overall, most likely because all students had the opportunity to take ACT on site and free of charge.
SAT Math Mean Scores continue to increase while the state and nation decreased. SAT Math scores continue to be above the state and nation.
SAT Writing

SAT Writing Mean Scores continue to rise for the 2nd straight year while state scores remain constant and the national scores decreased.

For the first time in 4 years, district scores exceed national data.
SAT Mean scores continue to rise on all exams. For the first time in a number of years, Writing scores are above the nation.
The overall SAT Combined Mean Score has risen over the past 3 years.
ACT Aspire/ACT

5 Components

Content Test

English
- Usage/Mechanics
- Punctuation
- Grammar & Usage
- Sentence Structure
- Rhetorical Skills
- Strategy
- Organization
- Style

Reading
- Prose Fiction
- Humanities
- Social Studies
- Natural Sciences

Math
- Pre-Algebra
- Coordinate Geometry
- Plane Geometry
- Trigonometry

Science
- Biology
- Chemistry
- Earth/Space Sciences
- Physics

Writing (Optional)
- Essay Writing

Reading (Optional)
- Content Test
ACT Aspire

ACT Aspire is an assessment system which identifies a student’s predicted path on the road to college.

Richardson ISD Participation

Spring 2013
SCALING STUDY
Random Stratified Sampling of 3rd-8th graders

Spring 2014
ACT ASPIRE TESTING
Random Stratified Sampling of 3rd-8th graders
Findings

ACT Participation

ACT Participation Rates in RISD increased 47 percentage points.
All students had the opportunity to take ACT free of charge.
ACT Composite Scores

Overall ACT Composite Scores dropped for the Class of 2014, however RISD tested all Juniors on site and free of charge.
College Ready in all Four Subjects

ACT College Ready in All 4 Subjects lagged the state and nation by only 3 percentage points. The state and nation scores represent students who are self-selecting.
The percentage of students meeting ACT college ready benchmarks in all subjects but Math is slightly below the state and nation. Math college ready scores are above the nation.
In 2014, 385 students chose to take the ACT for a second time.
Students typically have a 1 point jump on 2nd attempt for each test and overall composite score. The RISD mean increased at least 2 points in each measurable area.
The number of students and the number of exams taken in RISD continue to rise.
RISD continues to lead the state and the nation with the percentage of students scoring 3 or higher on AP exams.
RISD’s participation rate of all student groups sitting for their corresponding AP exams rose this past year.
AP Percent Passing by Student Group

The percentage of students scoring 3 or higher rose by 1% this past year.
Dual Credit

Quick Facts

- Offerings and Hours Earned has Continued to Rise
  - Increase of 266 Enrollments
  - Increase of 810 Additional College Hours
- Little Cost to the Student
  - Richland College Waives Tuition
  - Textbooks are potentially the Only Cost
- RISD has Two Offerings
  - Stand Alone Courses
  - AP Overlay Courses
    - College Credit if Qualified through Richland College.
- Students Can Also Take Courses in the Summer
  - Between 10th/11th Grade
  - Between 11th/12th Grade

Dual Credit is a high school course for which students can also receive college credit.
From 2013 to 2014, RISD had an enrollment increase of 266, earning an additional 810 college credit hours.
Our core course enrollment and hours earned at Richland College has increased in ELA, Math and Science, but both dropped in social studies.
Increasing FAFSA awareness and completion is necessary as it provides national, state, and private aid.
Findings

Class of 2006 Post-Secondary Enrollment

Class of 2006 Post-Secondary Enrollment and Progress

Graduated
Returned After Stop Out
New to College
No Longer Enrolled & Not Graduated
Retained
Not in NSC to Date

National Student Clearinghouse

CCR Update
October 2014
Strengths & Challenges
College & Career Readiness

October 2014 CCR Update
Strengths & Challenges

Strengths

- RISD is 1 of 26 Districts in the State to Earn Post-Readiness Distinction
- Increased Number of Students Participating in College Assessments
- Participation with Other Dallas County ISDs on Brigance Assessment in Partnership with Commit2Dallas
- Awareness of College and Career Opportunities for All Grade Levels
- College-Going Culture Evident in K-12
- Expanded Usage of Naviance in Grades 6-12
- Encouragement for Identified Students to Participate in Duke TIP
- Use of Different Assessments at Various Grade Levels to Identify College Readiness Needs
- Awareness of the Importance for Improvement on SAT and ACT Exams
- Scoring Above the Nation and State on All SAT Mean Scores
- Opportunity to take the ACT On-Site and Free of Charge (Class of 2013 & 2014)
- Increase in 2nd Attempters on ACT with Increase of Approximately 2.5 on Each ACT Test and Composite Score
- Increase in Number of AP Exams Taken, Students Taking AP Exams, and Percentage Scoring 3+ on AP Exams
- Increased Opportunities for College Credit and Career Licensing/Certificates through Dual Credit
- Hosting a FAFSA Super Saturday in the District for Students with Financial Need Resulting in Increased Number of Participants
- Embedded College Application Essays in 11th and 12 Grade ELA Courses
Strengths & Challenges

- Getting More Parents to Access and Work with Students on Tasks and Opportunities with Naviance
- Finding Practicing Professionals from the Work Environment to Enhance Student Learning (Nepris Pilot)
- Encouraging and Supporting Students to Pursue Higher Levels of Success on PSAT, SAT, and ACT
- Preparing for New SAT Assessment
- Offering the ACT On-Site and Free of Charge for the 11th Grade in Spring of 2015

Challenges

- Consistently Improving AP and Dual Credit Course Offerings
- Monitoring Effectiveness of AP Instruction
- Using Assessment Data to Inform Curriculum Decisions
- Ensuring that Pre-AP Courses Help Students Acquire Skills and Strategies for AP and College Success
- Increasing the Number of Qualified Teachers to Teach Dual Credit Courses (Masters +18 Hours in the Field)
Next Steps & Recommendations

College & Career Readiness
Next Steps

**Elementary**

- Disaggregate Brigance and ACT Aspire Results and Share with Curriculum Department
- Utilize Nepris to Access Practicing Professionals in the Working Environment
- Determine Effectiveness, Reliability, and Expansion of Nepris
- Develop Clearinghouse of Enrichment Cluster Ideas with Input of Enrichment Cluster Focus Group
- Focus on Priority Career Clusters Identified by CTE Task Force
- Begin Duke TIP Parent Information Meetings for 4th-6th Graders
Next Steps

Include Information on Campus and College and Career Readiness Website to Help Parents Learn About the Benefits of Naviance

Use Data From College Board and ACT to Help Inform Curriculum Decisions

Continue Providing Support to Improve Performance on PSAT, SAT, and ACT (Online Kaplan Test Prep, Embedded Curricula, and SAT/ACT Prep Courses)

Develop AP Action Plans in Each Curriculum Area with Long and Short Term Goals

Identify Ways to Strengthen Dual Credit Opportunities for Students

Utilize Duke TIP and Talent Search to Provide a Pipeline of Success Toward Excellence in Education and NMSQT Awards

Continue to Strengthen the Usage of Naviance in All Grades
### Recommendations

#### Elementary
- Continue Partnership with Commit2Dallas
- Consider Providing 6th Grade Parents Naviance Log-in
- Extend Enrichment Cluster Focus Group into 2015-2016 School Year
- Assess the Feasibility of Continuing Brigance Testing with Representative Sample

#### Secondary
- Offer ACT On-Site for All 11th Graders in March and Continue to Explore Alternative Funding Sources
- Plan to Pay for all 11th Graders in Fall 2015 to Take the New PSAT/NMSQT
- Begin Planning for the New SAT to Be Given in Spring 2016
- Facilitate High School Campuses Becoming TSI Test Sites