



STATE OF NEW JERSEY
DEPARTMENT OF EDUCATION

FUTURE READY SCHOOLS NJ:

A partnership among the New Jersey Department of Education,
the New Jersey School Board's Association and the New
Jersey Institute of Technology

March 2, 2016

Education is about the future

A kindergartner in 2016 will graduate in 2029

What do we know about the world they will face when they leave our schools?

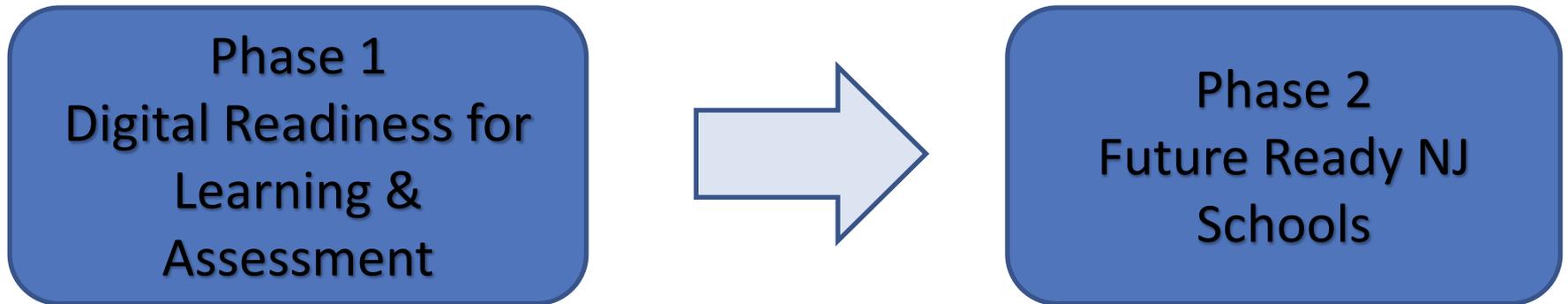
- 1) More than 50% of today's jobs won't exist – replaced primarily by jobs in technology and tech-enabled STEM fields*
- 2) Using technology effectively to learn and work will be critical for college and career success*
- 3) Technology will continue to influence and transform every aspect of society (politics, entertainment, business, communications, etc.)*

Future Ready Schools NJ . . .

Can all New Jersey schools prepare students for this future?

The Road to Future Readiness . . .

In 2013 NJDOE launched an initiative to support schools make the transition to a digital future.



Digital Readiness for Learning and Assessment

- NJTRAx v1.0
- Technical Support for PARCC Readiness
- DRLAP Broadband Initiative

- New Standard 8 (Ed Tech/Tech Ed)
- Budgeting for Tech White Paper

- ✓ Increase in assessment readiness from about 45% of districts to over 99% of students taking online assessments in 18 months
- ✓ Over \$89M in savings and a significant increase in broadband across the state

But . . . Challenges Remain . . .

Districts and schools may be technology ready for assessments, but many are not integrating the technology effectively in the classroom to support learning

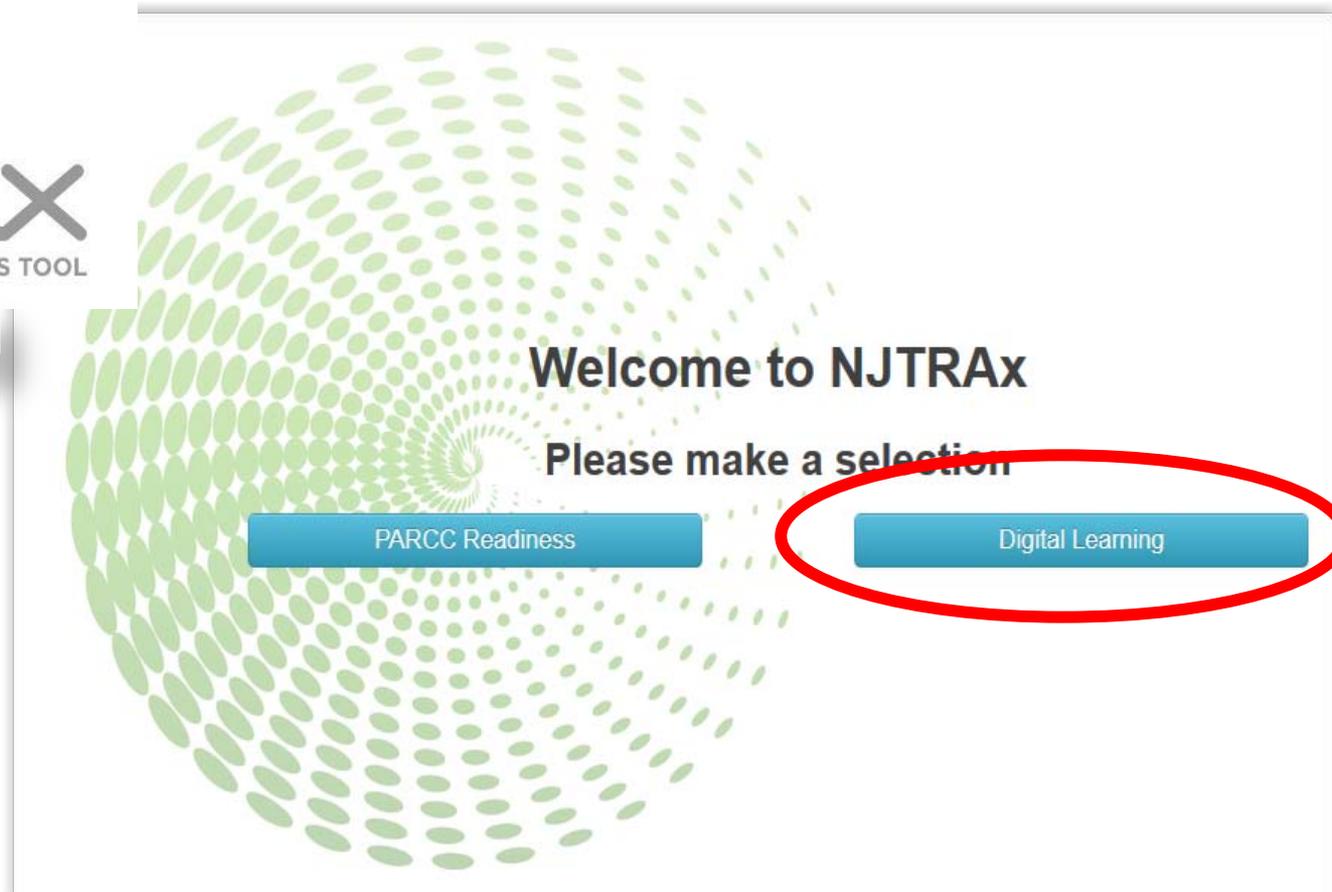
Phase 2: Future Ready Schools NJ

The focus of Phase 2 is on supporting technology integration in the classroom and bridging the digital divide

- NJTRAx v2.0 – Future Ready school survey
- Standard 8 Resources
- DRLAP Broadband Initiative – year 2

- Future Ready Schools NJ Recognition Program

NJTRAX and the Future Ready Digital Learning Survey



What is your school's digital learning index?



NEW JERSEY
DIGITAL LEARNING

PARCC Readiness FAQs

Getting Started Framework Surveys Reports Log Out

Framework

Introduction
Curriculum, Instruction, and Assessment
Use of Time
Technology, Networks, and Hardware
Data and Privacy
Community Partnerships
Professional Learning
Budget and Resources
Across the Gears: Empowered, Innovative Leadership

Introduction

The Future Ready Pledge, according to the U.S. Department of Education, is designed to set out a roadmap to achieve that success and to commit districts to move as quickly as possible towards a shared vision of preparing students for success in college, careers and citizenship. This roadmap can only be accomplished through a systemic approach to change. With student learning at the center, a district must align each of the eight (8) key categories, also called Gears, in order to implement and sustain successful digital learning.

The eight (8) Gears are as follows:



-  1. Curriculum, Instruction, and Assessment
-  2. Use of Time
-  3. Technology, Networks, and Hardware
-  4. Data and Privacy
-  5. Community Partnerships
-  6. Professional Learning
-  7. Budget and Resources
-  8. Across the Gears: Empowered, Innovative Leadership

Summary Reports on Each School's Readiness


PARCC Readiness FAQs

[Getting Started](#) [Framework](#) [Surveys](#) [Reports](#) [Log Out](#)

Anywhere High School

Anywhere Anytime School District

Consolidated School Report: 11/19/2015 - 01/30/2016

Overall Digital Readiness **5.3** of 10

Overall Digital Implementation **5.7** of 10

Return to Report Selection
Executive Summary
Curriculum, Instruction, and Assessment
Use of Time
Technology, Networks, and Hardware
Data and Privacy
Community Partnerships
Professional Learning
Budget and Resources
Across the Gears: Empowered, Innovative Leadership

Executive Summary

Technology now enables personalized digital learning for every student in the nation of Education, is designed to set out a roadmap to achieve that success and to commission of preparing students for success in college, careers and citizenship. With six eight (8) key categories, called gears, in order to implement and sustain successful accomplished through a systemic approach that addresses all gears.



The 8 Gears are as follows:

1. Curriculum, Instruction, and Assessment
2. Use of Time
3. Technology, Networks, and Hardware
4. Data and Privacy
5. Community Partnerships
6. Professional Learning
7. Budget and Resources
8. Innovative Leadership

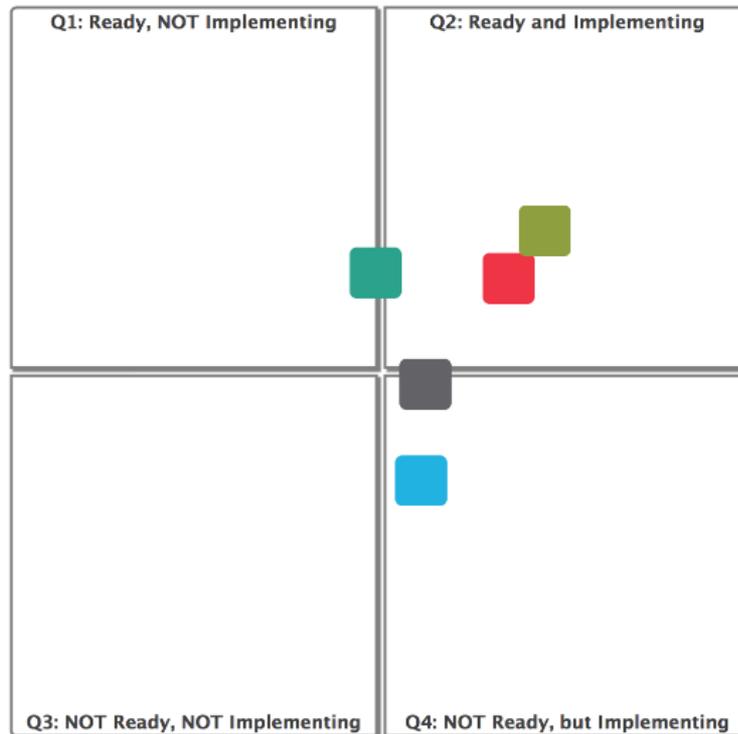
Empowered leadership is critical. Successful implementation of digital leadership, and practices at the school level.

SCHOOL READINESS

10

5.3

0



0

5.7

10

IMPLEMENTATION with STUDENTS

Gears*

 Curriculum, Instruction, and Assessment

 Use of Time

 Technology, Networks, and Hardware

 Data and Privacy

 Community Partnerships

* The five (5) Gears are displayed that have both Readiness and Implementation scales.

Respondents: 25 Students, 22 Parents/Guardians, 10 Teachers, 1 School Administrator, 1 Information Technology Coordinator, 1 Educational Technology Coordinator

Data on Each Gear

 **NEW JERSEY**
DIGITAL LEARNING

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Overall Digital Readiness **5.3** of 10

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Return to Report Selection
Executive Summary
Curriculum, Instruction, and Assessment
◦ 21st Century/Deeper Learning
◦ Personalized Learning
◦ Collaborative, Relevant, and Applied Learning
◦ Leveraging Technology
◦ Assessment—Analytics Inform Instruction
Use of Time
Technology, Networks, and Hardware
Data and Privacy

Gear Overview

Curriculum, Instruction, and Assessment



- 21st Century/Deeper Learning
- Personalized Learning
- Collaborative, Relevant, and Applied Learning
- Leveraging Technology
- Assessment—Analytics Inform Instruction

Through a flexible, consistent, and personalized approach to academic content design, instruction, and assessment, teachers with the support of robust and adaptive tools can customize instruction for groups of students or on a student-to-student basis to ensure relevance and deep understanding of complex issues and topics. Providing multiple sources of high-quality academic content offers all students greater opportunities to personalize and reflect on their own work, think critically, and engage frequently to enable deeper understanding of complex topics. It is the learning needs of students that drive decisions related to technology, social media, and infrastructure. In this system, data and research are the building blocks of diagnostic, formative, and summative assessments—all of which are key elements in a system where learning is personalized, individualized, or differentiated to ensure learner success. Students and education professionals have access to up-to-date devices and high-speed broadband 24-hours-per day, 7-days-per-week (24/7).

Gear Digital Readiness **3.2** of 10

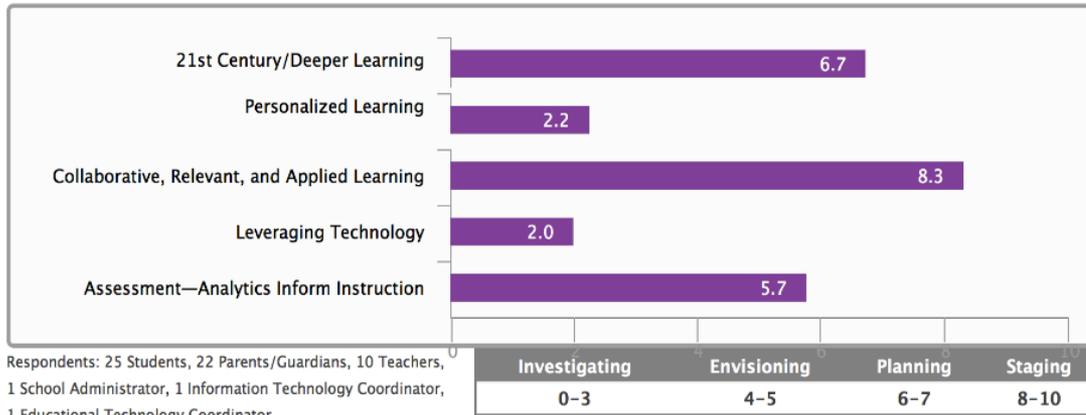
Gear Digital Implementation **5.2** of 10

Detailed Feedback within Each Gear

Gear Report: Readiness Digital Learning

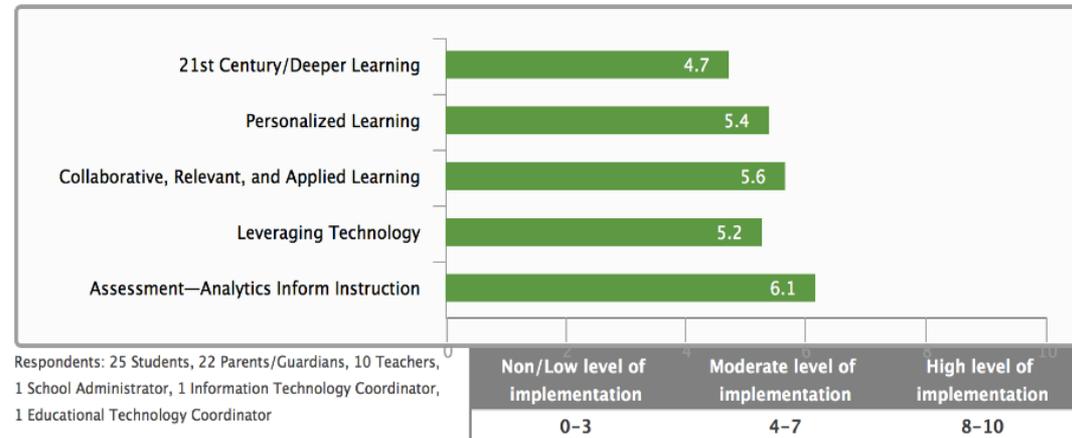
Anywhere High School (11/19/2015 – 01/30/2016)

Figure: Readiness for Digital in Curriculum, Instruction, and Assessment



Anywhere High School (11/19/2015 – 01/30/2016)

Figure: Digital Learning Implementation in Curriculum, Instruction, and Assessment

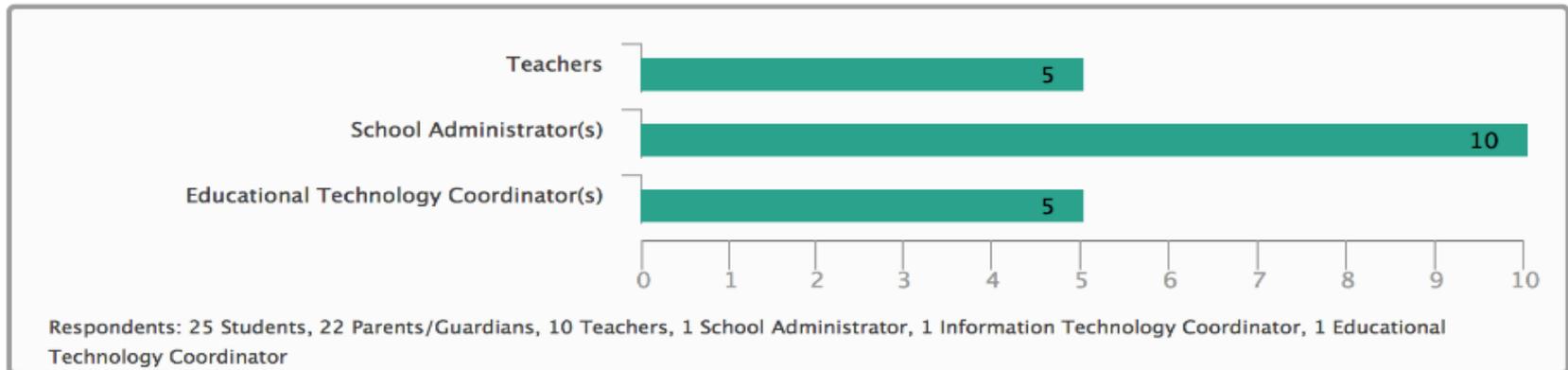


Detailed Feedback within Each Gear

Current Implementation of Personalized Learning

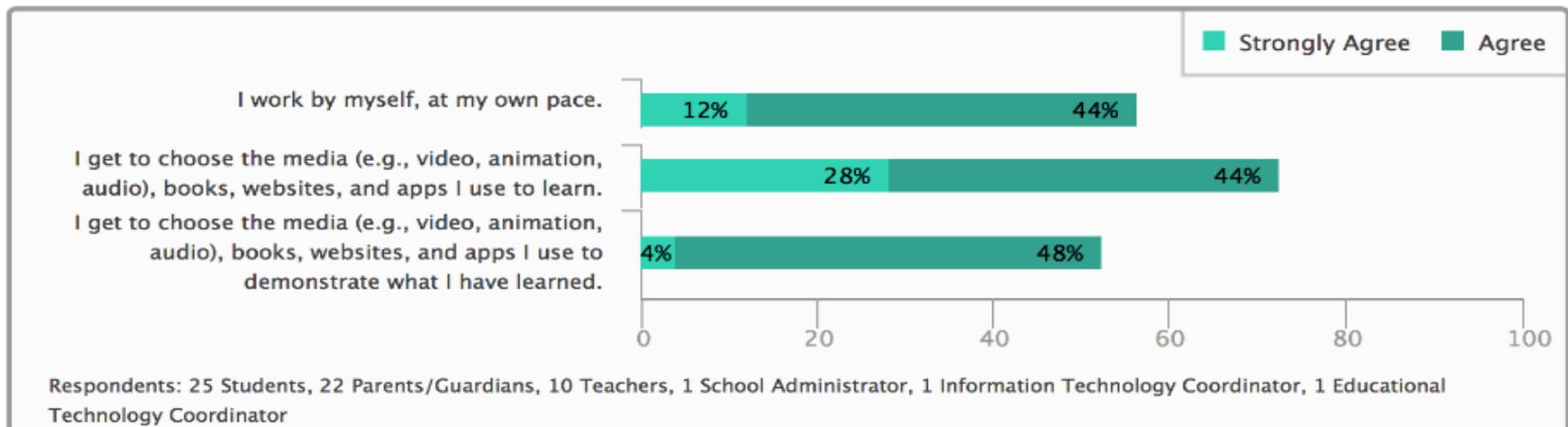
Figure: The extent to which each respondent group perceives the school to be implementing personalized learning.

Scale: 1 = No implementation, 10= Full Implementation.



Student Indicators of Personalized Learning

Figure: Students report the frequency with which they engage in personalized learning in at least some of their classes.



Actionable Feedback and Analysis

Guiding Question 1: Curriculum Aligned to 21st Century Skills

Are classrooms in this school student-centered learning environments that foster 21st Century Skills?



CRITICAL THINKING SKILLS

84% of **STUDENTS** said that their teachers teach them specific thinking skills.

Overall, **SCHOOL ADMINISTRATORS** report that teachers in the school place a **STRONG EMPHASIS** emphasis on critical thinking.

55% of **PARENTS/GUARDIANS** report that their student is being taught how to think critically.

When asked about the emphasis they place on critical thinking in their lessons/units, **TEACHERS** reported: **MODERATELY STRONG EMPHASIS**

The Future Ready Schools NJ Partnership



STATE OF NEW JERSEY
DEPARTMENT OF EDUCATION

NJIT



New Jersey School Boards Association

www.njsba.org | 609. 695. 7600 | 888.88NJSBA

NJIT

New Jersey Institute of Technology



New Jersey School Boards Association

www.njsba.org | 609.695.7600 | 888.88NJSBA

The NJDOE began working with NJSBA several years ago on initiatives to support technology and future readiness of schools:

- NJSBA TECS initiative offering low/no cost tech products and services
- “Walk in The PARCC” training programs to prepare districts for PARCC
- NJSBA Policy white paper on “Deploying the Digital Learning Environment through Policy” for school districts.
- NJSBA Workshop digital readiness sessions
- NJSBA Technology Conference presentations
- Sustainable Schools NJ Program
- iSTEAM Initiative

A Model For Scale and Success . . .



A certification program for New Jersey public schools that want to go green, conserve resources and take steps to create a brighter future,

ONE SCHOOL AT A TIME.

SUSTAINABLE JERSEY FOR SCHOOLS:

- Advances and supports sustainable practices in schools and prepares the next generation of children to address sustainability issues
- Identifies actions that schools can implement to become certified
- Provides guidance and tools to enable schools to make progress on each action
- Provides access to grants and identifies funding opportunities for schools to make progress toward the actions
- Encompasses the three equal, interrelated components of sustainability:

PEOPLE

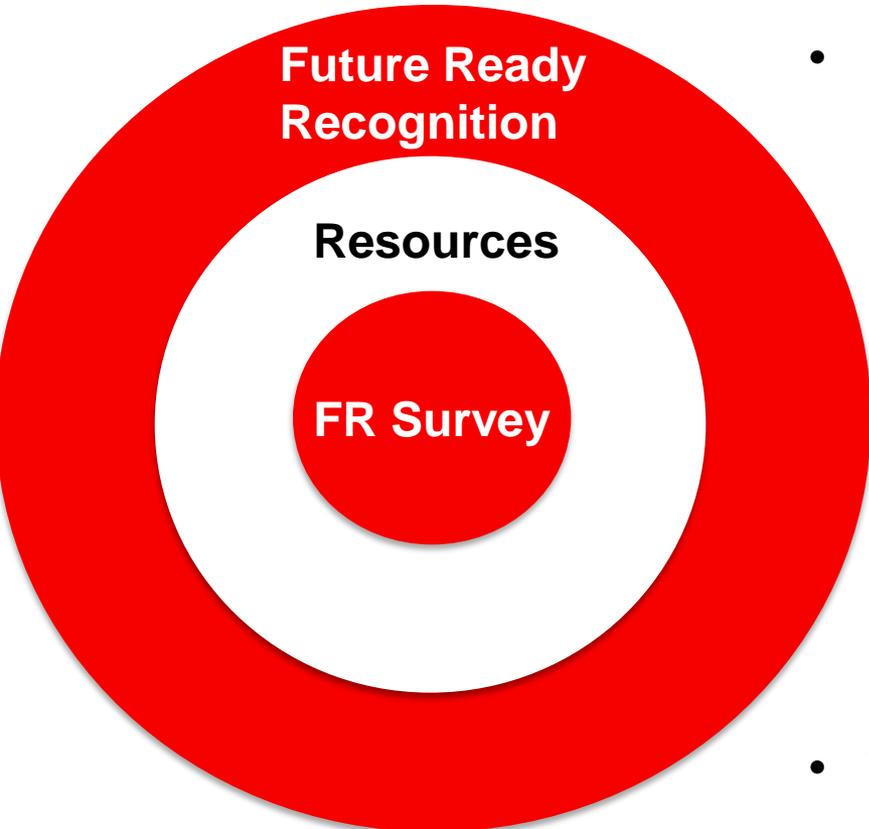
		Points
DIVERSITY & EQUITY		
Accessible Communications	📌 🗑️	10
Breakfast After The Bell	📌 🗑️	20
Diversity on District Task Forces & Committees	🗑️	10
FOOD & NUTRITION		
Healthy Food Choices	📌 🗑️	10
Promote Locally Grown Foods	📌 🗑️	10
School Gardens	📌	10
HEALTHY SCHOOL ENVIRONMENTS		
Indoor Air Quality Review ★	📌	15
Access to Healthy Water in Schools	📌	20
Anti-Idling Education & Enforcement	📌 🗑️	10
Asthma Friendly Schools	📌	10
Classroom Chemical Purchase, Storage & Disposal Policy	📌 🗑️	15
Classroom Cleanup Policy & Practices	📌 🗑️	10
Control Moisture/Mold	📌 🗑️	10
HVAC System Best Practices	📌	10
Integrated Pest Management-Education & Organic Lawn Care	📌	10
Outdoor Air Quality Awareness	📌 🗑️	10
Radon Testing, Education and Mitigation	📌	10-20
Reporting Process for Indoor Air Quality Concerns	📌	10

- over 400 schools and 150 Districts participating
- Program development supported by NJSBA
- 59 schools currently certified
- Range of partners including NJEA, NJPSA, NJASBO, NJASA
- Private, public and philanthropic funders

The Future Ready Schools NJ Recognition Program

NJDOE and NJSBA engaged with NJIT to develop the Future Ready Schools NJ recognition program modeled after Sustainable NJ Program launched several years ago:

- Built on the NJTRAx v2.0: Future Ready Schools NJ survey (aligned to national Future Ready Schools)
 - NJIT will take on Project Management and Development of Recognition Program
 - Recognize the schools that are doing a good job of integrating technology into the classroom, and provide incentive for others to identify and address their challenges
 - Official launch of the recognition program at the NJSBA October Workshop
- The vision is to partner with other associations and stakeholders to develop resources to support schools and districts aligned to the Future Ready survey



**Future Ready
Recognition**

Resources

FR Survey

Our Partners

Dr. Joel S. Bloom

President, New Jersey Institute of Technology

Dr. Lawrence Feinsod

Executive Director, New Jersey School Boards Association