Indicators of Digital Readiness

Indicator	Digital Assessment to Optimize Test Development, Administration, and Analysis
Theme	Education & Classroom Practice
Priority Level	P1
Organizational Level	School

Description of the Indicator

Digital Assessment is the presentation of evidence for judging or measuring student achievement using computer technology. Districts should provide professional development for teachers and staff on how to use and develop digital assessments and encourage that teachers collaborate on best practices regarding effective platforms for developing digital assessments. In order to optimize test development, administration, and analysis, staff should be trained on how to use district-approved resources. Through the use of digital assessments, teachers can provide feedback to students in a timely manner and utilize the assessment data to inform their instruction.

Why is this indicator important?

Districts that employ a modern, digital platform for administering formative, summative, and benchmark assessments can:

- Optimize the student/teacher testing experience
- Better prepare students for state summative assessments
- Improve data-driven decision-making through more meaningful analytics
- Give teachers, schools, and districts real-time awareness of progress toward mastery of content standards

Indicator Rubric

Insufficient Evidence of Implementation **(0 Points)**	● Assessment activities are not aligned to standards, does not vary in question-choice options, provides limited ability to grade digitally, do not provide the capability for data or item analysis, and cannot be used in all classrooms
Foundational Stage of Implementation **(3 Points)**	● Assessment activities somewhat align to state standards, minimal variation in question-choice options, provides infrequent ability to grade digitally, provides some capability for data and item analysis, and can be used in most classrooms
Achieving Success in Implementation **(6 Points)**	● Assessment activities are aligned to state standards ● Extensive variation in question-choice options which connect to content and standards ● Provides teachers ability to grade digitally and produce an immediate response for students to impact and improve their learning ● Provides the capability for data and item analysis and demonstrates effective use of said data ● Can be utilized in all classrooms
Exemplary Success in Implementation **(9 Points)**	● Assessment activities rely on NJ Learning Standards and seek to provide cross-curricular opportunities where able, expanding on student knowledge-base beyond one content area ● Question-choice options are varied in type and difficulty to ensure a well-rounded assessment ● Teachers are grading assessments digitally and providing immediate feedback to students, encouraging students to utilize and grow from the feedback given and engage in conversation either digitally or in person regarding their data/score ● All classrooms are capable of providing access to digital assessments

Who in the school/district should lead and be involved with this indicator?

- Administrators
- Teachers
- Students
- Technology Coaches/Specialists
- Curriculum Leaders
- IT/Assistive Professionals/Leaders
- Board of Education Members
- Local business, Organizations, and Public Entities
- Colleges
- Training Providers and Technical Colleges

How to execute the indicator

To execute this action, the district will:

- Evaluate their current assessment system using the rubric above
- If the system scores **Insufficient,** school district will begin to explore more suitable options for digital assessment
- If the system scores **Achieving,** the district will explore areas in the rubric where they scored **Insufficient** to determine if/when action needs to be taken to modernize this area.

If no formative and/or summative system is currently in place, the district can utilize the Digital Schools Assessment rubric as a guideline for the procurement process.

Recommended evidence to submit for successful execution of this action

Acceptable evidence to submit should include digital assessment tools that are being utilized. Evidence should clearly reflect how the digital assessment is utilized by both teachers and students.

Resources schools can use to complete this action successfully

To complete this action, the school must utilize internal resources (staff) from multiple departments to determine a roadmap for implementing digital assessment practices that add value for students and teachers, and provide valuable data for administrators and coaches. Curriculum, technology, and senior administration should all be represented. This committee will catalog the methods used for diagnostic, formative, adaptive, and summative assessments. The following links provide resources to utilize and create digital assessments:

- Summative: Renaissance Learning
- Summative: Performance Matters
- Summative: LinkIt
- Formative/Summative: Study Island
- 17 Formative Assessment Tools
- 65 Assessment Tools

- TeachThought Online Assessment Tools
- EdTech Update: Assessment Tools

Certified Schools Exemplars: See links for school evidence

1. **Port Monmouth Elementary School, Middletown Township Public Schools, 2018 Silver Certified**

   Digital Assessments take many different forms at Port Monmouth Elementary School. All students, in grades K-5, utilize programs such as Dreambox for Math, GetEpic, for Language arts, and Kahoot as part of their regular classroom learning. Teachers use programs such as Flipgrid, Seesaw, PearDeck, and Nearpod as digital tools for formative assessment as they teach. Google Forms are used for Do Nows, exit tickets, and cumulative assessments, while EdCite and LinkIt are used for diagnostic and formative assessments. Through activities such as these, Port Monmouth Elementary School was able to achieve exemplary level for FRS-NJ.

2. **Demarest Middle School, Demarest, 2018 Bronze Certified**

   Teachers and students have 24/7 access to the Powerschool Learning Management System. Through this system, teachers can create and administer digital assessments. Additionally, the 1:1 environment offers teachers the choice of administering digital assessments in a variety of different ways, including Kahoot!, Quizziz, Google Forms, and many more. Professional learning surrounding these tools is offered in-house during staff meeting time and professional days, as well as through the Northern Valley Curriculum Center.

3. **Cove Road School, Hazlet Township Public Schools, 2018 Bronze Certified**

   An additional benefit of being a 1 to 1 Chromebook school is that teachers have gone paperless and have moved to using multiple means of digital assessment to track student growth. From formative assessments like Kahoot and Quizlet, to programs that monitor progress from year to year like LinkIt and Realtime, teachers and administrators can collect data to improve instructional delivery and personalize lessons for specific needs of students. Also, moving to e-textbooks, students have become more comfortable with completing online assessments.

4. **Hazlet Middle School, Hazlet Township Public Schools, 2018 Bronze Certified**

   With 1:1 access to Chromebooks, Hazlet Middle School teachers are able to consistently deliver digital assessments, via platforms such as Google Forms and LinkIt, and to collect and analyze individual student data. Teachers use Google Classroom for all assignments and digital tools such as Kahoot, Quizzizz, and FlipGrid for daily formative assessments. Many digital tools are integrated into classroom instruction and personalized learning, such as IXL, No Red Ink and Newsela, so that students can self-direct their learning and work at their own pace, while teachers can assess progress and help students set academic goals.

5. **Marlboro Elementary School, Marlboro Township Public Schools, 2018 Bronze Certified**

   Our school was able to achieve an exemplar level under the digital assessment indicator through a robust system of digital student assessments and their associated follow up activities. District common assessments are administered using an online platform in LinkIt! test taker. This platform first increases efficiency by allowing for automated scoring of binary type responses. Furthermore, item analyses at the class level, grade level, school level and district level allow us to analyze and then validate questions using a point biserial coefficient to determine question quality via distractor analysis. Furthermore, post assessment, teachers are able to quickly make data driven instructional decisions and provide feedback to students in a timely manner. In addition, these data are also used post assessment in professional learning community meetings centered on data and strategy instruction both for remediation and looking ahead at the upcoming unit of study based on data from the prior year.

6. **Lincoln Annex School, New Brunswick, 2018 Bronze Certified**

   Teachers within Lincoln Annex School actively seek out innovative ways to assess students on a variety of platforms,

including online options. Teachers are able to assess students in real time and provide immediate, meaningful feedback. Students are able to collaborate together and engage in meaningful discussion and peer assessments. Unit projects have also been able to be provided completely online, using a multitude of applications.

7. **Bells Elementary School, Washington Township Public Schools, 2018 Bronze Certified**

District wide, classrooms use various assessment tools and methods to gather data. Data is used such to guide classroom instruction. Additionally, students have the ability to select different methods to "show what they know" in content areas. Digital assessment methods allow for the district to tag standards and provide evidence and live feedback to students.

8. **Thomas Jefferson Elementary School, Washington Township Public Schools, 2018 Bronze Certified**

Our school uses a variety of digital assessment tools. We provided a list of these tools (linked to the websites). For some of the tools, we included screenshots and/or 1-2 sentence descriptions of how we use the tool. The tools included Edulastic, Khan Academy, Google Forms, OneNote, Seesaw, and Padlet, among others.

9. **Albio Sires Elementary School PS4, West New York, 2018 Bronze Certified**

Albio Sires Elementary School /PS 4 uses digital assessment in the presentation of evidence for judging or measuring students' achievement using computer technology. Our school provides professional development for teachers and staff on how to use and develop digital assessments and encourages that teachers collaborate on best practices regarding effective platforms for developing digital assessments. In order to optimize test development, administration, and analysis, our staff is trained on how to use district-approved resources. Through the use of digital assessments, our teachers provide feedback to students in a timely manner and utilize the assessment data to inform our instruction.