



North Carolina Learning Technology Initiative (NCLTI) Readiness Rubric

One of the most effective ways to determine how well technology-enabled learning programs are meeting the needs of students, teachers, staff, and the community is through self-reflection and discussion. This Readiness tool on this site provides an objective comparison of an individual program with state and national standards and offers an opportunity for self-assessment.

The North Carolina Learning Technology Readiness Rubric that follows is based on Technology Standards & Performance Indicators for Students & Teachers (ISTE NETS-S, ISTE NETS-T), the North Carolina IMPACT Guidelines, Texas Star Chart, North Carolina Essential Standards for Instructional Technology, North Carolina Professional Teaching Standards, and North Carolina Learning Technology Initiative (NCLTI) Framework for Planning. This rubric provides a global perspective of school media and technology programs at both the building and system levels.

It is essential to begin any new initiative or plan by establishing a common, shared vision to create buy-in and engage stakeholders. Through the visioning process consensus building will assist in developing the goals, rationale and core principles for the initiative approach. It is beneficial for stakeholders to see the vision early and modeled throughout. The readiness criteria help to determine whether a district or school is poised to successfully launch a technology-enabled learning initiative.

Directions: Use this rubric to reflect on the technology-enabled learning initiative. Go through the rubric and rate each indicator (*Curriculum & Instruction, Professional Development, Leadership, Administration & Instructional Support, Infrastructure & Technical Support*). All bullets must be present within each category in order to be awarded full points for each separate indicator. For example, if the school only matches 1 of the 2 bullets listed in the Advanced Category, then you should move your assessment to Developing. Use the scoring chart provided on the next page to total and summarize classification for each indicator and then overall.

Curriculum & Instruction	Early (Starting)	Developing	Advanced	Target
CI1 Classroom Use	<ul style="list-style-type: none"> Teachers occasionally use technology to supplement instruction and present teacher-centered lectures. Students use technology for skill reinforcement. 	<ul style="list-style-type: none"> Teachers use technology to drive instruction, improve productivity, and model technology skills. Students use technology to communicate and present information. 	<ul style="list-style-type: none"> Teachers use technology as a collaborative tool in teacher-led and some student-centered learning experiences to facilitate the development of students' higher order thinking skills and to interact with content experts, peers, parents, and community. Students use technology to evaluate information and analyze data to solve problems. 	<ul style="list-style-type: none"> Teachers and students are immersed in a student-centered learning environment where technology is seamlessly integrated into the learning process and used to solve real world problems. Students use technology to develop, assess, and implement solutions to real world problems.
CI2 Access to Digital Content	<ul style="list-style-type: none"> Teachers have occasional access to digital resources for instruction. 	<ul style="list-style-type: none"> Teachers have regular access to digital resources in the classroom. 	<ul style="list-style-type: none"> Teachers have regular access to digital resources in various instructional settings (e.g., school, home, community). 	<ul style="list-style-type: none"> Teachers have on demand access to digital resources anytime/anywhere.
CI3 Content Area Connections	<ul style="list-style-type: none"> Teachers use technology for basic skills practice with little or no connections with content objectives. 	<ul style="list-style-type: none"> Teachers use technology to support content objectives. 	<ul style="list-style-type: none"> Teachers integrate technology in subject areas. 	<ul style="list-style-type: none"> Teachers seamlessly apply technology across all subject areas to provide learning opportunities beyond the classroom.
CI4 Technology Applications	<ul style="list-style-type: none"> Teachers are aware of technology applications for grades K-12. 	<ul style="list-style-type: none"> Teachers have a general understanding of appropriate technology applications for their content areas. 	<ul style="list-style-type: none"> Teachers are knowledgeable of and consistently use appropriate technology applications for their content areas and grade levels. 	<ul style="list-style-type: none"> Teachers seamlessly integrate technology applications in collaborative, cross-curricular units of instruction.
CI5 Mastery of Applications	<ul style="list-style-type: none"> Up to 25% of students have mastered technology applications. 	<ul style="list-style-type: none"> Between 26-50% of students have mastered technology applications. 	<ul style="list-style-type: none"> Between 51-85% of students have mastered technology applications. 	<ul style="list-style-type: none"> Between 86-100% of students have mastered technology applications.
CI6 Web-Based Lessons	<ul style="list-style-type: none"> Teachers use a few web-based activities with students. 	<ul style="list-style-type: none"> Teachers have customized several web-based lessons, which include online standards-based content, resources, and learning activities that support learning objectives. 	<ul style="list-style-type: none"> Teachers have created many web-based lessons, which include online standards-based content, resources, and learning activities that support learning objectives. 	<ul style="list-style-type: none"> Teachers have created and integrate web-based lessons, which include online standards-based content, resources, and learning activities that support learning objectives throughout the curriculum.

Professional Development	Early (Starting)	Developing	Advanced	Target
PD1 Professional Development Experiences	<ul style="list-style-type: none"> Teachers have participated in professional development on basic technology literacy skills and district information systems. 	<ul style="list-style-type: none"> Teachers have participated in professional development on integrating technology into content area activities for students as well as to streamline productivity and management tasks. 	<ul style="list-style-type: none"> Teachers have participated in professional development on technology integration into the curriculum through the creation of new lessons and activities that promote higher order thinking skills and collaboration with experts, peers, and parents. 	<ul style="list-style-type: none"> Teachers collaborate with other professionals in developing new learning environments to empower students to think critically to solve real-world problems and communicate with experts across business, industry and higher education.
PD2 Models of Professional Development	<ul style="list-style-type: none"> Teachers participate in large group professional development sessions to acquire basic technology skills. 	<ul style="list-style-type: none"> Teachers participate in large group professional development sessions focusing on increasing teacher productivity and building capacity to integrate technology effectively into content areas with follow-up that facilitates implementation. 	<ul style="list-style-type: none"> Teachers participate in on-going professional development, including training, observation/assessment, professional learning communities, and mentoring. 	<ul style="list-style-type: none"> Teachers participate in multiple professional development opportunities that support anytime, anywhere learning available through delivery systems including individually guided activities, inquiry/action research, and involvement in a developmental/improvement process.
PD3 Educator Capability	<ul style="list-style-type: none"> Educators are aware of the need to facilitate learning by using a variety of instructional methods. 	<ul style="list-style-type: none"> Educators begin to facilitate learning by integrating technology into instructional methods. 	<ul style="list-style-type: none"> Educators facilitate learning by integrating and utilizing technology into instructional methods. 	<ul style="list-style-type: none"> Educators fully facilitate learning by integrating and utilizing technology into instructional methods (e.g. online communication and collaboration tools, digital resources, wikis, multimedia, etc.)
PD4 Participation in Instructional Technology-Driven Professional Development	<ul style="list-style-type: none"> Teachers participate in less than nine (9) hours of instructional technology professional development per year. 	<ul style="list-style-type: none"> Teachers participate in nine (9) to eighteen (18) hours of instructional technology professional development per year. 	<ul style="list-style-type: none"> Teachers participate in nineteen (19) to twenty-nine (29) hours of instructional technology professional development per year. 	<ul style="list-style-type: none"> Teachers participate in thirty (30) or more hours of instructional technology professional development per year.
PD5 Levels of Understanding	<ul style="list-style-type: none"> Teachers understand technology basics and how to use teacher productivity tools. 	<ul style="list-style-type: none"> Teachers adapt technology knowledge and skills for content area instruction. 	<ul style="list-style-type: none"> Teachers use technology as a tool in and across content areas to enhance higher order thinking skills. 	<ul style="list-style-type: none"> Teachers create new, interactive, collaborative, and customized technology-enabled learning environments.
PD6 Student Training	<ul style="list-style-type: none"> Training on school technology policies and software is not provided to students. 	<ul style="list-style-type: none"> Training on school technology policies and software is being planned for students. 	<ul style="list-style-type: none"> Training on school technology policies and software is provided to students once a year. 	<ul style="list-style-type: none"> Training on school technology policies and software is provided to students multiple times a year.

Leadership, Administration & Instructional Support	Early (Starting)	Developing	Advanced	Target
LAI1 Leadership & Vision	<ul style="list-style-type: none"> Leadership has the basic awareness of the potential of technology in education to lead to student achievement. 	<ul style="list-style-type: none"> Leadership develops a shared vision and begins to build buy-in for comprehensive integration of technology leading to increased student achievement. 	<ul style="list-style-type: none"> Leadership communicates and implements a shared vision and obtains buy-in for comprehensive integration of technology leading to increased student achievement. Distributive leadership facilitates sustainability of the initiative. A student leader is included in the planning team. 	<ul style="list-style-type: none"> Leadership promotes a shared vision with policies that encourage continuous innovation with technology leading to increased student achievement. Teams of instructional, curriculum, technology, and administrative personnel to work together to develop and support goals and strategies for an effective technology-enabled learning initiative.
LAI2 Planning	<ul style="list-style-type: none"> Few technology goals and objectives are incorporated in the school/district improvement plan. 	<ul style="list-style-type: none"> Several technology goals and objectives are incorporated in the school/district improvement plan. 	<ul style="list-style-type: none"> Technology-rich school/district plan sets annual technology benchmarks based on the technology applications standards. 	<ul style="list-style-type: none"> Leadership team has developed a collaborative, technology-rich school/district improvement plan grounded in research and aligned with district strategic plan focused on student achievement.
LAI3 Instructional Support	<ul style="list-style-type: none"> Teachers have limited opportunity for technology integration and planning or professional development. 	<ul style="list-style-type: none"> Teachers have time for professional development on the integration of technology. 	<ul style="list-style-type: none"> Teacher teams are provided time to create and participate in professional learning communities to stimulate, nurture, and support the use of technology to maximize teaching and learning. 	<ul style="list-style-type: none"> Educational leaders and teacher teams facilitate and support the use of technologies to enhance instructional methods. On-demand, up-to-date student data is available to administrators and teachers to drive instructional decision-making.
LAI4 Communication & Collaboration	<ul style="list-style-type: none"> School leaders use technology for limited written communication with teachers and parents. 	<ul style="list-style-type: none"> Technology is used for communication and collaboration among colleagues, staff, parents, students, and the community. 	<ul style="list-style-type: none"> Current informational tools and systems are used for communication, management of schedules and resources, performance assessment, and professional development. Technology is used to engage the community at-large. 	<ul style="list-style-type: none"> Variety of media and formats, including telecommunications and the school website are used to communicate, interact, and collaborate with all education stakeholders. Marketing strategies are used to engage the community at-large and seek volunteers to assist with promoting the initiative.

LAI5	<ul style="list-style-type: none"> Limited discretionary funds for implementation of technology strategies to meet goals and objectives outlined in the school/district improvement plan. 	<ul style="list-style-type: none"> Discretionary funds and other resources are allocated to advance implementation of some technology strategies to meet goals and objectives outlined in the school/district improvement plan. 	<ul style="list-style-type: none"> Discretionary funds and other resources are allocated to advance implementation of most of the technology strategies to meet the goals and objectives outlined in the school/district improvement plan. 	<ul style="list-style-type: none"> Discretionary funds and other resources are allocated to advance implementation of all the technology strategies to meet the goals and objectives outlined in the school/district improvement plan. A team of stakeholders is assembled to create long-term funding plans. These individuals include the district leadership team, local business partners, and outside business individuals.
Sustainability				
LAI6	<ul style="list-style-type: none"> Planning team is in place to develop policies for ensuring student safety and appropriate use of devices. 	<ul style="list-style-type: none"> Policies for ensuring student safety and appropriate use of devices are in place. 	<ul style="list-style-type: none"> Policies are enforced for ensuring student safety and appropriate use of devices is in place. 	<ul style="list-style-type: none"> Policies for ensuring student safety and appropriate use of devices in accord with the Children's Internet Protection Act (CIPA), while still enabling teachers and students access to a wide range of information and communication resources (AUP, RUP, plans for parent, teacher, student information, filtering, virus/spyware protection.)
Policy				

Infrastructure & Technical Support	Early (Starting)	Developing	Advanced	Target
ITS1 Ratio of Student:Device	<ul style="list-style-type: none"> Less than two (2) student devices available per classroom. 	<ul style="list-style-type: none"> Two (2) to six (6) multimedia student devices available per classroom. At least one connected multimedia student lab and/or mobile cart is available. 	<ul style="list-style-type: none"> Eight (8) or more multimedia student devices available per classroom. At least one connected multimedia student lab and/or mobile cart is available per content area. 	<ul style="list-style-type: none"> 1:1 access to multimedia devices for all students in the classroom when needed. Ability to take devices home.
ITS2 Access & Connectivity	<ul style="list-style-type: none"> No access to the Internet in the classroom. 	<ul style="list-style-type: none"> Internet access to at least one device in the classroom. 	<ul style="list-style-type: none"> Direct Internet access with reasonable response time in the classroom. 	<ul style="list-style-type: none"> Wireless access in the classroom and at home with adequate bandwidth to access e-learning technologies and resources for all students.
ITS3 Classroom Technology	<ul style="list-style-type: none"> Teachers have shared access to resources such as, but not limited to, digital cameras, PDAs, MP3 players, probes, interactive white boards, projection systems, scanners, classroom sets of graphing calculators. 	<ul style="list-style-type: none"> Teachers have access to a designated computer and shared use of resources such as, but not limited to, digital cameras, PDAs, MP3 players, probes, interactive white boards, projection systems, scanners, classroom sets of graphing calculators. 	<ul style="list-style-type: none"> Teachers have access to a designated computer and dedicated and assigned use of commonly used technologies such as, but not limited to digital cameras, PDAs, MP3 players, probes, interactive white boards, projection systems, scanners, classroom sets of graphing calculators. 	<ul style="list-style-type: none"> Teachers have ready access to a designated computer and an equipped classroom to enhance student instruction. Technologies include the use of new and emerging technologies.
ITS4 Technical Support	<ul style="list-style-type: none"> When needed, the response time for technical support is greater than twenty-four (24) hours. 	<ul style="list-style-type: none"> When needed, the response time for technical support is less than twenty-four (24) hours. 	<ul style="list-style-type: none"> When needed, the response time for technical support is less than eight (8) hours. 	<ul style="list-style-type: none"> When needed, the response time for technical support is less than four (4) hours.
ITS5 LAN/WAN	<ul style="list-style-type: none"> Students and teachers have access to technologies such as print/file sharing and some shared resources outside the classroom. 	<ul style="list-style-type: none"> Students and teachers have access to technologies such as print/file sharing, multiple applications, and district servers. 	<ul style="list-style-type: none"> Students and teachers have access to technologies such as print/file sharing, multiple applications, and district-wide resources on the campus network. 	<ul style="list-style-type: none"> All classrooms are connected to a robust infrastructure that allows access to multiple district-wide resources for students and teachers, including but not limited to, video streaming and desktop videoconferencing.
ITS6 Student Training	<ul style="list-style-type: none"> Students have no or limited access to online learning with rich media such as streaming video, podcasts, applets, animation, etc. 	<ul style="list-style-type: none"> Students have scheduled access to online learning with rich media such as streaming video, podcasts, applets, animation, etc. 	<ul style="list-style-type: none"> Students have anytime access to online learning with rich media such as streaming video, podcasts, applets, animation, etc. 	<ul style="list-style-type: none"> Students have 24/7 access to online learning with rich media such as streaming video, podcasts, applets, and animation, and sufficient bandwidth storage to customize online instruction.

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Enter the corresponding value into the chart below using the following rubric comparison points:

Early (Starting) = 1

Developing= 2

Advanced = 3

Target= 4

Final score classifications: Early (Starting)=(6-8 points); Developing=(9-14 points); Advanced =(15-20 points); Target=(21-24 points)

INDICATORS						
CURRICULUM & INSTRUCTION						Total Scores
CI1 Classroom Use	CI2 Access to Digital Content	CI3 Content Area Connections	CI4 Technology Applications	CI5 Mastery of Technology Applications	CI6 Web-Based Lessons	
Score:	Score:	Score:	Score:	Score:	Score:	
PROFESSIONAL DEVELOPMENT						
PD1 Professional Development Experiences	PD2 Models of Professional Development	PD3 Educator Capability	PD4 Participation in Instructional Technology-Driven Professional Development	PD5 Levels of Understanding	PD6 Student Training	
Score:	Score:	Score:	Score:	Score:	Score:	
LEADERSHIP, ADMINISTRATION & INSTRUCTIONAL SUPPORT						
LAI1 Leadership & Vision	LAI2 Planning	LAI3 Instructional Support	LAI4 Communication & Collaboration	LAI5 Sustainability	LAI6 Policy	
Score:	Score:	Score:	Score:	Score:	Score:	
INFRASTRUCTURE & TECHNICAL SUPPORT						
ITS1 Student:Device	ITS2 Access & Connectivity	ITS3 Classroom Technology	ITS4 Technical Support	ITS5 LAN/WAN	ITS6 Student Access to Distance Learning	
Score:	Score:	Score:	Score:	Score:	Score:	
FINAL SCORE						

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