



PROJECT STATUS AND IMPLEMENTATION REPORT

SEPTEMBER 2016

Prepared for the Nevada Commission on Educational Technology

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INTRODUCTION

Nevada Ready 21 is a statewide one-to-one technology and learning initiative that began with a plan and came to fruition in June 2015 when Nevada's State Legislature approved \$20M in funding, for the 2015-2017 biennium. Prior to the Legislature's funding approval, a Planning Committee was formed to develop the vision for what one-to-one could and should look like in Nevada. Careful attention was paid to the composition of the Planning Committee, which included representation from the Nevada Department of Education, Nevada school districts, state and regional education agencies, and the private sector.

On January 13, 2016, under the oversight of the Nevada Commission on Educational Technology, the Nevada Department of Education (NDE) released the 2015-2017 *Request for Applications from Nevada School Districts and State-Sponsored Charter Schools*. A total of nine districts and charter management organizations applied for the Nevada Ready 21 grant on behalf of a combined 23 schools. A selection committee, comprised of representatives from state, district, and private entities, reviewed the applications and prepared recommendations that were presented to the Commission on February 29, 2016. The Commission approved applications from five districts, and provisionally approved applications from one district and six state-sponsored charter schools. Schools that were provisionally funded were required to increase their Internet bandwidth per student to a minimum of 100 kilobits per second (kbps). On March 1, 2016 districts were notified of the selection outcomes, and by March 15, 2016 NDE began on-time disbursement of first year grant funds.

Disbursement of grant-funded devices began with teachers in April 2016 and by the end of September 2016, Nevada Ready 21 Chromebooks will be in the hands of over 20,000 students and teachers in eastern, northern, and southern Nevada. With an emphasis on transforming school culture and developing 21st century learners, Nevada Ready 21 utilizes the support of Professional Development Strategists, Digital Learning Coaches, vendor-provided trainers, and outside consultants to meet the professional development needs of administrators and teachers. Nevada Ready 21 is also partnered with BrightBytes, a data analytics company that helps schools measure the results of their technology investment.

This report highlights key project outcomes-to-date that include a retrospective summary of project initiation activities, as well as an overview of project activities that took place between March 2016 and August 2016. The final section of the report provides an overview of the Nevada Ready 21 Performance Management plan.

NEVADA READY 21 SUCCESSES

The Nevada Commission on Educational Technology (NCET) serves as stewards of the \$20M Nevada Ready 21 funding. As such, Commission members have played a significant and integral role in bringing the program to fruition. Prior to approving applications from that state's first cohort of Nevada Ready 21 schools, Commission members served on the committee that produced the Nevada Ready 21 plan as well as the committee that reviewed schools' grant applications. The NCET has been steadfast in its support of Nevada Department of Education efforts to launch the state's one-to-one program. For example, in an effort to better understand what a statewide one-to-one computing program could look like, the Commission was receptive to training that eventual Nevada Ready 21 partners, the One-to-One Institute, provided to address the Commission's specific questions and concerns. As Chromebooks land in the hands of over 19,000 middle school students across the state, it warrants acknowledging that Nevada Ready 21 is succeeding based on the efforts of many across the state who were diligent in their efforts to develop and launch a program worthy of emulation.

In just over a year's time, from legislative approval in June 2015, to the onset of student device deployment in August 2016, Nevada Ready 21 has experienced a number of successes including: quickly hiring state program team staff; navigating the vendor selection process; producing an RFA and completing the grantee selection process; disbursing grant funds on time; and deploying devices on time.

Initiating the Project

Hiring Nevada Ready 21 Staff

Immediately upon funding approval for Nevada Ready 21, the search began to fill the Program Director and Project Manager/Communications Officer positions. These positions were filled on July 1 and July 6, respectively and formed the basis for the state program team. Being able to hire staff so quickly was critical to ensuring that the program met all of its projected timelines for securing a vendor, managing the grant selection process, disbursing funds to grantees, and deploying devices.

The state program team was complete upon the hiring of the Performance Manager, Administrative Assistant, and Professional Development Strategists. The Performance Manager officially joined the team on March 26, 2016. Originally titled Internal Evaluator, the position was renamed to Performance Manager to more accurately reflect the nature of the role within the Nevada Ready 21 program. A part-time administrative assistant, hired to support the program staff, began employment on April 18th, 2016. The four Professional Development Strategists were hired between May 10th, 2016 and August 1st, 2016. Referred to in the NR21 Plan as Professional Development Experts, this position was renamed to Professional Development Strategist to more accurately convey the role envisioned for this position.

Negotiating Vendor Selection Process

On the recommendation of Nevada State Purchasing, the program team considered the use of an existing, previously competed purchasing vehicle, and found the Multi-State Learning Technology Initiative (MLTI) led by the state of Maine to be highly compatible with the goals of the Nevada Ready 21 program. The MLTI contract has three awarded providers: Apple, Inc., Hewlett Packard, Inc., and CTL. Using this existing contract afforded a number of benefits including:

- Program staff developed the Nevada Ready 21 vendor RFP based on the MLTI RFP, which is designed to solicit a complete digital classroom solution
- Competitive bidding among potential vendors, including two distinct rounds of competition
- Nevada Ready 21 issued its RFA to districts and public charter schools on schedule
- Nevada Ready 21 met its Year 1 timeline for procurement

On September 9, 2015, the state of Nevada issued an informal solicitation (ISP 3208) to solicit proposals designed specifically for Nevada Ready 21. The document contained a limited number of addenda to the original multi-state Request for Proposals and was developed in conjunction with a committee comprised of two district IT directors, two Ed Tech directors, and the Nevada Ready 21 Program Director. Each of the three vendors submitted multiple proposals to compete for the Nevada Ready 21 contract, which required vendors to include a package of devices, software, warranty repair, tech support and integration services, managed wireless networking, project management services, and crucial professional development services for instructors, school leaders, and school IT personnel. On October 13, 2015 the committee received vendor presentations and selected CTL, a systems integrator based near Portland, OR. The device in the winning bid was the CTL NL6 Education Chromebook. CTL's contract to provide 1:1 Chromebook devices to participating Nevada Ready 21 schools includes a first year cost of \$523 per seat and \$164 per seat for years two through four. The State Board of Examiners approved the CTL contract on December 8, 2015. Between October and December, the Program Director entered into negotiations with CTL and a number of significant enhancements were made to CTL's original proposal. All of the enhancements included in the participating addendum, and highlighted below, are bundled into the total seat price.

Device

- CTL NL6 Chromebook
- Intel Quad-Core Processor
- 4GB Ram
- 32 GB local solid-state storage
- Boots in seconds
- Easy to manage via web console

Warranty Services

- Includes accidental damage
- Theft and loss
- 2% buffer pool at each school for quick replacement
- In-state repair depot

Professional Development Services

- Three 1-day face-to-face Leadership Workshops
- Two 1-day face-to-face workshops for coaches
- Two 1-day face-to-face Learning Summits, featuring Google Apps for Education for teachers and coaches
- Three face-to-face EdCamp-style events
- Ongoing webinars for teachers, coaches, and IT

Project Management

- In-state project manager

Additional Program Support

- Approximately half of the contracted Performance Manager position
- Part-time administrative support housed at NDE
- Performance management software (BrightBytes Clarity platform)

Managing Grant Selection Process

Nevada Ready 21 Request for Applications

Work on the Nevada Ready 21 RFA began in July 2015. To provide as much advance information and assistance as possible to districts and charter schools, the RFA was issued to LEAs in draft form prior to the final RFA release on January 13th, 2016. Two technical assistance meetings were held on January 20th, 2016, one to address questions about the program and one to answer IT-related questions. In addition, an online forum was opened to solicit any questions pertaining to the application process.

Department and contract staff reviewed all applications to ensure the RFA requirements were satisfied. In a first round review, applications were given a score for infrastructure according to the minimum technical requirements to support the chosen device solution. Completed applications were then submitted to the selection committee for scoring. The committee reviewed all applications prior to their February 25th, 2016 in-person meeting. At this meeting, the committee made recommendations for each application.

Recommendations from the evaluation committee were presented to the Nevada Commission on Educational Technology on February 29th, 2016. The outcome of the Commission meeting was to award 16 schools and conditionally award 7 schools due to their lack of bandwidth capacity. The conditional awards were given with the expectation that these seven schools would provide documentation in support of their efforts to improve their infrastructure requirements prior to deploying devices to teachers and students. The Program Director worked directly with the schools to ensure they understood the requirements, as well as provide any guidance for appropriate infrastructure procurement when applicable. Upon receiving the updated plans from the four provisionally awarded schools, it was determined they had satisfied the minimum technical requirements of the grant and were included in the NR21 FY16/FY16 grant allocation.

Grant Selection Committee

Building a selection committee to review the grant applications is considered a success of NR21 because it allowed for thoughtful consideration of each application from committee members who provided diverse and relevant perspectives. The grant selection committee was comprised of two representatives from the Nevada Commission on Educational Technology, and one representative each from the One-to-One Institute, the Nevada Department of Education, the private sector business community, and a Nevada school district.

On Time Funding Disbursement

Upon granting awards based on schools' requested seat count, additional funds were available from the \$20M NR21 grant. In response to the Commission's request, the state Educational Technology Director, Dr. Kim Vidoni, solicited input from the grantees to determine their additional needs, which supplemental funding could support to ensure successful implementation of the program. These data were compiled prior to the March 2016 Commission meeting, and on March 29th, 2016 the Commission approved the additional support for grantees. This support includes funding for Digital Learning Coaches, extra-duty-pay to support teacher attendance at professional development activities, IT Technicians, a part-time secretary to organize the grants, travel expenses to Teacher Summits, and Wi-Fi hotspots. Funds reflecting the additional support measures were disbursed to grantees in April 2016 for FY16 and in July 2016 for FY 17.

On Time Device Deployment

The Nevada Ready 21 participating addendum with CTL was approved by the Nevada Board of Examiners on January 12, 2016. The amount of the grant award to a district or charter school is based on a *seat price*, which is comprised of the key elements for the program: professional development, support and services, and the device. The seat price can be multiplied by the number of students and educators at a school to arrive at the cost for implementation at that school. Grantees for the Nevada Ready 21 program were awarded on February 29th, 2016. The final selection of schools prompted CTL to begin preparations for manufacturing and delivering devices based on the awarded seat counts.

The CTL in-state project manager coordinated with each school to determine appropriate shipment dates for teacher and student devices. Teacher devices were delivered to schools between April 15th - May 15th, 2016; student devices were delivered between August 1st – August 29th, 2016. Prior to delivery, all devices were assigned the requisite software license and received white glove provisioning, which includes Chrome Device Management configuration.

Table 1. NR21 Device Allocation by School

School	Device Allocation Students	Device Allocation Staff
Carson City School District	1900	120
Carson Middle School	1200	70
Eagle Valley Middle School	700	50
Churchill County School District	684	37
Churchill County Middle School	684	37
Clark County School District	11999	592
Anthony Saville Middle School	1600	71
Barbara and Hank Greenspun Junior High School	1450	73
Bob Miller Middle School	1690	81
Charles Silvestri Junior High School	1705	80
Del E Webb Middle School	1791	79
Elton M Garrett Junior High School	440	28
Lied Middle School	1100	59
Mack Lyon Middle School	400	34
Sig Rogich Middle School	1823	87
Elko County School District	1295	113
Adobe Middle School	645	48
Spring Creek Middle School	650	65
Lander County School District	218	21
Eleanor Lemaire Junior High School	218	21
White Pine County School District	265	32
Lund (Grades 6-8)	20	3

School	Device Allocation Students	Device Allocation Staff
White Pine Middle School	245	29
State Sponsored Charter	2680	115
Mater Academy of Nevada	381	20
Pinecrest Academy of Nevada–Horizon Campus	460	20
Pinecrest Academy of Nevada–St. Rose Campus	460	20
Pinecrest Academy of Nevada–Inspirada Campus	460	20
Pinecrest Academy of Nevada–Cadence Campus	460	20
Somerset Academy of Las Vegas–Stephanie Campus	459	15
Total	19041	1030

Nevada Ready 21 Chromebook Applications

Included with the Nevada Ready 21 Chromebook is a rich variety of applications designed to engage students and enhance their learning experience across content areas. Learning Applications to which students have access include: Google Apps for Education, NcLab®, WeVideo, PocketLab®, and Desmos Graphing Calculator. Management applications are also part of CTL’s NR21 Solution, and these include: Google Classroom, Google Chrome Management Console, and Securly®.

Grantee Support

Professional Development

Nevada Ready 21 schools are supported by a number of professional development solutions including coaching, face-to-face training and workshops, online courses, and webinars. The cornerstone of this support are the Professional Development Strategists.

Nevada Ready 21 Professional Development Strategists

As members of the state program team, the four Professional Development Strategists (PDS) work collaboratively in field positions across Nevada, to create and curate digital learning content and training modules that focus on the Nevada Academic Content Standards and 21st century skills. Chief among PDS responsibilities is direct support to the Digital Learning Coaches who support each of the participating schools. Staffing of the four positions was complete in August 2016, and the team worked quickly, in collaboration with one of our Digital Learning Coaches, to refine Nevada Ready, Set, Go!, an online orientation module designed for teachers.

To date, the Professional Development Strategists have begun:

- Working on content-specific digital learning projects that will serve as exemplars of 21st century and student-centered learning principles
- Facilitating the Nevada Ready, Set, Go! orientation course
- Preparing a workshop on learning strategies and Apps to support those strategies

- Preparing a coaching strategies course for Digital Learning Coaches
- Hosting weekly “office hours” through Google Hangout

Digital Learning Coaches

Each school’s grant award included funds to hire a full-time Digital Learning Coach (DLC). The primary role of the DLC is to provide structured and informal training support to teachers. At least 50 percent of a DLC’s time is spent in direct contact with teachers, which may include facilitating professional development, providing just-in-time digital learning support, co-teaching, or facilitating a professional learning community. At most schools, the Digital Learning Coach is also responsible for guiding teachers through the Nevada Ready, Set, Go! course so they meet the October 27, 2016 course completion deadline. About a quarter of DLCs’ time is spent planning professional development. As described in the Nevada Ready 21 Plan, DLCs will prepare and provide quarterly training for their school’s Lead Teachers.

Digital Learning Coaches are also encouraged to allocate some of their time to personal professional learning, which may include attending CTL webinars, proactively seeking support from the Professional Development Strategists, and attending district-provided professional development training.

Learning Management System

Nevada Ready 21 uses Instructure’s Canvas as its learning management system. Canvas serves as an online platform from which to provide content to learners. The state program team operates an instance of Canvas that hosts the Nevada Ready, Set, Go! course. This course serves to orient teachers to some of the technology and learning components of Nevada Ready 21. The course, developed by Clark County School District, and refined to meet the needs of Nevada Ready 21 by the PDS, was officially launched in August 2016. It is designed to be a 15-hour course that allows teachers to earn 1 CEU credit upon course completion. The course is divided into nine modules and includes topics such as 21st Century Learning and Skills, Digital Citizenship, Chromebooks, Google Drive, Google Apps for Education, and Google for Research and Information Fluency. Professional Development Strategists will use the state instance of Canvas to develop and publish course content that supports DLC’s training needs. The contract with Instructure also includes an instance of Canvas for each district, which Digital Learning Coaches may use to provide training content for teachers.

CTL Sponsored Webinars

Included in the seat price of each device is access to training provided via 1-hour webinars hosted by CTL, its subcontractors, and/or app developers. Webinars are open and available to district personnel, administrators, IT staff, Digital Learning Coaches, and teachers. CTL maintains a calendar of webinars and actively promotes these skills-based training sessions that cover a range of topics including: Google Drive Basics, Google Apps for Administrators, Introduction to Desmos Graphing Calculator, and Introduction to LabCam. Table 2 shows a list of the 14 webinars that CTL provided between April and August 2016. To accommodate

participants’ schedule, the webinars are offered at different times throughout the day, and they are all recorded for subsequent viewing.

Table 2. Nevada Ready 21 Professional Development: April –August 2016

Date	Title	Type
April 14, 2016	Google Calendar for Educators	Webinar
April 21, 2016	Chromebooks for Education: Overview	Webinar
April 26, 2016	Google Apps Administrator: Basics	Webinar
May 05, 2016	Google Drive Basics	Webinar
May 10, 2016	An Introduction to Google Docs	Webinar
May 12, 2016	Introduction to Desmos Graphing Calculator	Webinar
May 16, 2016	Introduction to WeVideo	Webinar
May 17, 2016	Introduction to Noteflight	Webinar
May 18, 2016	Introduction to NCLab	Webinar
May 19, 2016	Google MyMaps for Educators	Webinar
May 19, 2016	Leadership Summit: Southern Nevada	In-Person
May 20, 2016	Transforming Learning: Southern Nevada	In-Person
May 21, 2016	Digital Learning Summit: Southern Nevada	In-Person
May 24, 2016	Introduction to Google Sheets	Webinar
May 25, 2016	Google+ for Professional Learning	Webinar
May 26, 2016	Introduction to PocketLab	Webinar
June 02, 2016	Leadership Summit (Elko)	In-Person
June 06, 2016	Google Summit/Chromebook Camp (Northern Nevada)	In-Person
June 07, 2016	Transforming Learning: Northern Nevada	In-Person
June 08, 2016	Google Certified Admin Training (Northern Nevada)	In-Person
June 09, 2016	Using Technology for Deeper Learning (Northern Nevada)	In-Person
June 23, 2016	Introduction to LabCam	Webinar
August 12, 2016	Nevada Ready, Set, Go!	Online Course

In-Person Professional Development

During summer 2016, CTL and its subcontractor Logic Wing, provided three in-person leadership workshops for district and school administrators, two digital learning summits for coaches and lead teachers, one “Transforming Learning” all day training for coaches, and one Google Certified Admin training for IT staff. Sessions were held in Clark County, Carson City, and Elko County. On May 19, June 2, and June 9 2016, district and school leaders gathered in Las Vegas, Elko, and Carson City, respectively, for a one-day training focused on using technology for deeper learning, digital citizenship, and refining their school’s Nevada Ready 21 Implementation Plan. The Digital Learning Summits were held on May 21, 2016 in Las Vegas and June 6, 2016 in Carson City. These summits were planned as mini-conferences where participants selected sessions of interest during each time slot. Sessions focused on a variety of topics including classroom management, Google Apps for Education, and 21st century learning

skills. Digital Learning Coaches also attended a one-day “Transforming Learning” workshop focused on resources coaches can use to support their teachers. These summits were held on May 21 in Las Vegas and June 6 in Carson City. The other in-person training that CTL provided on June 8, 2016, was the Google Certified Admin Training for district IT staff. All of the in-person training sessions were well-received and feedback was positive. A summary of feedback data from each of the sessions appears in Table 3 through Table 6, below.

Table 3. Leadership Summit Feedback (N=31)

Statement	Agree/Strongly Agree
My expectations for the workshop were met.	97%
I am leaving with tools and resources that I feel confident in using.	97%
Participating in the workshop was a good use of my time.	100%
I learned things about supporting 21st Century Learning that I didn't know before.	90%
Overall, the workshop was high quality.	100%

Table 4. Digital Learning Summit Feedback (N=83)

Statement	Agree/Strongly Agree
My expectations for the sessions I attended were met.	86%
I am leaving the Summit with tools and resources that I feel confident in using.	88%
Participating in the sessions was a good use of my time.	93%
I learned things about supporting 21st Century Learning that I didn't know before.	90%
The sessions helped prepare me to support other educators.	83%
Overall, the sessions were high quality.	94%

Table 5. Transforming Learning (N=21)

Statement	Agree/Strongly Agree
My expectations for the sessions I attended were met.	76%
I am leaving the session with tools and resources that I feel confident in using.	85%
Participating in the sessions was a good use of my time.	88%
I learned things about supporting 21st Century Learning that I didn't know before.	93%
Overall, the sessions were high quality.	90%

Table 6. Google Certified Admin Training (N=7)

Statement	Agree/Strongly Agree
My expectations for the training were met.	100%
Participating in the training was a good use of my time.	100%
I learned things about GAFE Administration that I didn't know before.	86%
I am leaving confident in my ability to pass the Google Certified Administrator Test.	86%
Overall, the training was high quality.	100%

Nevada Ready 21 Community of Educators

With the first cohort of schools, Nevada Ready 21 is building the foundation for a statewide community of educators committed to transforming teaching and learning. Under the guidance of the Program Director and Communications Officer, a variety of communications vehicles are used to build and sustain this growing network.

Monthly Grantee Call

The Nevada Ready 21 monthly call is facilitated by the Communications Officer. These virtual meetings provide grantees with timely updates, allow them to receive feedback on any challenges/concerns pertaining to the program, and gives them an opportunity to share best practices for successful implementation. Recordings of the monthly calls allow all grantees access to the information, whether they are able to attend or not.

Nevada Ready 21 Leaders' WikiSpace

This website was created to provide principals and coaches with access to a repository of resources pertaining to 1:1 implementation, as well as an opportunity to connect with their colleagues outside of the larger Google⁺ community. The website is currently populated with content and information posted by the Program Director and Professional Development Strategists; however, all members of the WikiSpace may post to the site.

Web Presence

Nevada Ready 21 has a web presence that is hosted by the Nevada Department of Education (NDE) as well as one hosted by CTL. The NDE web site is at www.doe.nv.gov/NevadaReady21/ and exists as a repository of the program's basic composition, including: an overview of NR21, program contacts, NR21 products & services, software descriptions, procurement documents, service provider chart, and the NR21 twitter feed. The CTL web site is at nr21.ctl.net and serves as a resource site for grantees. Information provided on this site includes: a calendar of professional learning opportunities (online live, online tools & self-paced, and in-person events); recordings of informational webinars; support desk contacts, repair/parts order forms; CTL NR21 support contacts; and the CTL twitter feed.

Google+/Nevada Ready 21 Educator Community

The Nevada Ready 21 Google+ community serves as a forum for sharing ideas and resources and for posing questions about various aspects of the program. CTL has taken a very active role in populating the community with content and information. Others in the community, including Professional Development Strategists and coaches, post links to resources, websites, and ed tech news. Anyone affiliated with Nevada Ready 21 is welcome to join the Google+ community.

Social Media

Nevada Ready 21 has a social media presence on Twitter, Facebook, and Instagram. The state team's early use of Twitter is focused on building a network of stakeholders interested in the program, providing resources and best practices to grantees, and building a community of advocates to help inform the public at large about the good work coming out of the NR21 program. Many schools use Facebook as their primary vehicle to communicate with their parent/caregiver community. As NR21 expands, effective use of Facebook for updates about the program requires integration with the LEA's preferred means of utilizing the forum, including the showcasing of successes at the school, as well as keeping the parent/caregiver community abreast of developments regarding future iterations of the program. In concert with Facebook, Instagram allows us to help schools share success stories with their parent/caregiver stakeholders, as well as the community at large. Any content generated from a school will adhere to the school/charter/district policy pertaining to student privacy.

Nevada Ready 21 Schools

Nevada's 1:1 program has launched in 23 schools, located within six school districts and three state-sponsored charter organizations. In its first year, the program is serving nearly 1000 teachers and over 19,000 students. Over \$17,000,000 of the \$20M Nevada Ready 21 grant funding has been allocated to schools. This allocation includes the total FY16/FY17 amount granted to schools based on the number of seats awarded, as well as additional funds that schools received to support their specific implementation needs.

Nevada Ready 21 Grant Allocation

On March 1, 2016 applicants were notified of their grant award. Schools received their FY16 grant awards in March 2016 and their FY17 awards in July 2016. The allocation by school is shown in Table 7, below.

Table 7. NR21 Grant Allocation by School

District	School	Allocation for FY16 & FY17
Carson	Carson Middle School	\$1,180,854.98
Carson	Eagle Valley Middle School	\$754,831.26
Churchill	Churchill County Jr. High School	\$591,458.11
Clark	Anthony Saville Middle School	\$1,569,958.34

District	School	Allocation for FY16 & FY17
Clark	Barbara and Hank Greenspun Junior High	\$1,321,831.29
Clark	Bob Miller Middle School	\$1,443,114.70
Clark	Charles Silvestri Junior High School	\$1,453,463.43
Clark	Del E Webb Middle School	\$1,516,295.02
Clark	Elton M Garrett Junior High School	\$398,943.36
Clark	Lied Middle School	\$990,727.24
Clark	Mack Lyon Middle School	\$454,810.72
Clark	Sig Rogich Middle School	\$1,545,862.83
Elko	Adobe Middle School	\$625,807.83
Elko	Spring Creek Middle School	\$496,098.37
Lander	Eleanor Lemaire Junior High School	\$346,880.78
State Charter	Mater Academy of Nevada	\$340,220.04
State Charter	Pinecrest Academy of Nevada	\$1,752,606.40
State Charter	Somerset Academy of Las Vegas	\$404,496.00
White Pine	Lund 6-8	\$129,842.68
White Pine	White Pine Middle School	\$269,038.64
Total		\$17,587,142.02

Nevada Ready 21 Student Demographic Data

Approximately 19,000 students are being served by this first round of the Nevada Ready 21 grant. On average, nearly one third of the students (32%) are eligible for free or reduced-price lunch, nine percent have IEPs, and six percent are English Language Learners. The percentage of students with IEPs ranges from a low of four percent at the Pinecrest Academy charter schools to a high of 20 percent at White Pine Middle School. The percentage of students eligible for free or reduced price lunch ranges from a low of one percent at Somerset Academy charter school to a high of 56 percent at Lied Middle School in Clark County School District. Compared to the other state-sponsored charter schools, Mater Academy serves a significantly higher percentage of students (40%) who are eligible for free or reduced price lunch. Mater Academy also serves the highest percentage (40%) of ELL students among all grantees.

Table 8. Student Demographic Data by School

School	Projected SY16-17 Enrollment	% IEP	% FRL	% ELL
Carson City School District				
Carson Middle School	1200	10%	47%	11%
Eagle Valley Middle School	700	13%	48%	15%
Churchill County School District				
Churchill County Middle School	684	14%	53%	8%
Clark County School District				
Anthony Saville Middle School	1600	7%	38%	4%
Barbara and Hank Greenspun Junior High School	1450	10%	39%	5%
Bob Miller Middle School	1690	7%	20%	2%
Charles Silvestri Junior High School	1705	10%	54%	7%
Del E Webb Middle School	1791	7%	20%	2%
Elton M Garrett Junior High School	440	12%	33%	2%
Lied Middle School	1100	10%	56%	9%
Mack Lyon Middle School	400	12%	32%	4%
Sig Rogich Middle School	1823	5%	19%	3%
Elko County School District				
Adobe Middle School	645	9%	39%	10%
Spring Creek Middle School	650	13%	20%	1%
Lander County School District				
Eleanor Lemaire Junior High School	218	11%	34%	7%
White Pine County School District				
Lund (Grades 6-8)	20	15%	25%	0%
White Pine Middle School	245	20%	39%	4%
State-Sponsored Charter				
Mater Academy of Nevada	381	8%	40%	40%
Pinecrest Academy of Nevada	460	4%	5%	2%
Somerset Academy of Las Vegas	459	8%	1%	2%
Total	19041			

Nevada Ready 21 Site-Based Support

Nevada Ready 21 is a program that requires leadership, curriculum, IT, implementation, and coaching support. Each school has a staff member assigned to one or more of the roles listed above. The school's implementation contact is typically the state program team's first point of contact for the exchange of project-related information. CTL's NR21 Project Manager regularly communicates with the leadership, implementation and IT contacts at each school. The Professional Development Strategists are in direct contact with site-based coaches. Schools have also identified a BrightBytes primary contact with whom the Performance Manager

communicates. The Performance Manager will also utilize the school's implementation contact to coordinate site visits and other data collection efforts.

Nevada Ready 21 Implementation Activities

Parent Orientation Meetings: Schools have hosted or have plans to host an orientation meeting to inform parents about the Nevada Ready 21 program, discuss Acceptable Use Policies, and showcase the device. Some schools have also used these meetings to administer the BrightBytes Parent Questionnaire.

Student Device Deployment: CTL provided on-time delivery of student devices to schools in August 2016 and each school established its own deployment day(s). Deployment of student devices began on August 24, 2016 and is scheduled to conclude on September 22, 2016.

Nevada Ready, Set, Go! The teacher orientation module was officially released on August 12, 2016. At the request of some NR21 schools, a Professional Development Specialist is facilitating the course, but in most cases Digital Learning Coaches have started facilitating this course for teachers. The deadline for completion is October 27, 2016.

BrightBytes Collection: The official window for NR21 Collection is September 12-September 30, 2016. During this time schools are collecting data from students, teachers and parents. Beginning in October 2016, the Performance Manager and BrightBytes Education Research Partner will conduct data walkthroughs with each school. These meetings are designed to help schools identify key priorities and actionable next steps based on the data.

Performance Management Plan

Nevada Ready 21 is unique among Nevada's statewide education initiatives in that a Performance Manager, or internal evaluator, is part of the state program team. The primary role of the Performance Manager is to carry out formative and summative evaluations of the program to inform program decision making and measure the extent to which program goals are met. The short-term goal of the performance management plan is to produce data that schools can use to address gaps in implementation; the long-term goal is to provide actionable data that focuses capacity building efforts and supports sustainability planning.

In addition to data collected by the Performance Manager, Nevada Ready 21 is using the BrightBytes Clarity platform to administer a pre/post 21st century skills assessment to students and teachers. Nevada Ready 21 is also part of an external evaluation of statewide education initiatives funded by Nevada's State Legislature. Collectively, these efforts will provide a comprehensive summary of the impact of Nevada Ready 21 on the 19,000 students and 1,000 teachers who are launching the state's 1:1 program.

Nevada Ready 21 Success Indicators

The Performance Manager will focus data collection efforts on a number of key indicators for each stakeholder group. Key indicators for students include measures of engagement and motivation; attitudes toward learning; discipline/behavior; and 21st century skill development. Key indicators for teachers include measures of attitudes towards teaching with technology; self-efficacy; evidence of student-centered pedagogy; and development/implementation of 21st century skills. Parent/caregiver involvement and engagement will also be measured.

School-Developed Implementation Plans

Each Nevada Ready 21 school developed an implementation plan that was outlined in their respective proposal. The plans include site-specific benchmarks, outcome measures, projected academic achievement outcomes, a plan for parent/caregiver outreach and involvement, as well as vision statements around transformational leadership, changes in student learning, and instructional changes. These plans will serve to focus data collection during site visits. Additionally, the Performance Manager will conduct mid and end-of-year reviews with principals and/or the designated NR21 site implementation contact, to document schools' progress on their stated plans.

Professional Development Feedback

Nevada Ready 21 professional development is ongoing and processes are in place to collect feedback from participants. Feedback surveys were administered at the end of each summer professional development workshop. A feedback survey is embedded at the end of the Nevada Ready, Set, Go! course and at the end of each CTL webinar. During the 2016-17 school year the Performance Manager will reach out to Digital Learning Coaches and teachers to gather feedback on the coaching support they receive.

Site Visits

During the 2016-17 school year, the performance management team will conduct fall and spring site visits to Nevada Ready 21 schools. Planned data collection activities include stakeholder interviews and/or focus groups, classroom observations, and site-based professional development observations.

BrightBytes

BrightBytes is an analytics company that helps clients utilize data to measure outcomes and identify solutions for addressing gaps identified in the data. Nevada Ready 21 has a contract with BrightBytes to implement its Technology and Learning module. Data collected from students and teachers in fall 2016 will serve as a baseline for 21st century learning, with growth measured when these data are compared to data collected in spring 2017.

Each school has its own BrightBytes platform from which Digital Learning Coaches, as well as school and district leaders, can view their respective data dashboards. The advantages of

BrightBytes over other 21st century skills assessments are that the BrightBytes questionnaires take between 7-12 minutes to complete, can be accessed on any device, and provide anonymous stakeholder data to schools. Schools are able to quickly get a snapshot of where they are in relation to outcomes described in their 1:1 plans, and data are presented in a way that allows principals and DLCs to identify and take action on key priorities. In particular, teachers' needs and preferences for professional development will be highlighted during data walkthroughs facilitated by the BrightBytes Educational Research Partner.

In addition to supporting schools' understanding of the outcomes related to their investment in 1:1, the project team has access to the Nevada Ready 21 statewide platform, which is structured such that the state team can view and generate reports showing an entire statewide view of 21st century learning strength and growth areas, as well as utilize filters to capture district and school level views of the data.

External Evaluation

Nevada Ready 21 is one of seven programs included in an external evaluation of a variety statewide initiatives designed to enhance teaching and learning. The state program team has participated in meetings with the external evaluation team and complied with their requests for data and information regarding Nevada Ready 21. The first phase of the external evaluation, conducted between June and November 2016, includes administering surveys and conducting interviews and focus groups. The Performance Manager will work with the external evaluator to determine the feasibility of combining data collection efforts.