

Executive Summary

Education in America seems to be deeply engaged in a crossroad of decision; do we continue down the path of the past or do we veer sharply left and look for new ways to educate, facilitate, and enhance the education of our most valuable natural resource; our children? After careful consideration of the needs of our community, the desires of parents, and the everchanging world of technology, Lander County School District is ready to turn left- slowly but distinctly- to move our children in a direction which gives them the confidence and the skills to compete in the world they will live in. With the onset of Nevada Ready 21, we hope to move our timeline of implementation up to create a new learning environment at Eleanor Lemaire Junior High (ELJH) which supports the learning goals of tomorrow in today's classrooms.

Goals for Success 2016-2018

Four areas of emphasis drive the plan to implement and change the instruction at ELJH:

- Critical Thinking
- Communication
- Collaboration
- Creativity

These four areas of emphasis intertwined with the rigor, relevance, and relationships which are essential to ensure the creation of 21st Century learning environments are the baseline of our expectations and plans to allow a 1:1 technology environment to not only exist, but succeed at ELJH.

Development of Plan

The plan laid before you in this proposal was developed through the collaborative efforts of Math, Science, Social Studies, and ELA lead teachers from ELJH. Along with assistance from administration and technology support teams, the teachers formed the basis and points of emphasis that are the key points to this plan. As they are the ones who created this plan, ownership is theirs. The hope is that you will see their enthusiasm, creativity, collaboration, and willingness to change embedded within this plan. As it will take a willing and dedicated staff to make Nevada Ready 21 work in any school; to already have that commitment and willingness to change from the staff of ELJH moves us that much closer to successful implementation.

School Change

Instruction at ELJH looks very similar to what instruction has looked like at schools across our nation for many years. Direct instruction dominates the classroom. The "sage on the stage" style lives well at ELJH. Students are expected to learn what the teacher has prepared for them from textbooks, worksheets, and homework. Small opportunities for use of technology have been implemented in the form of smartboards, laptop carts, and tablet use. This technology has not been used to enhance or differentiate the learning environment, but rather to further the "book learning" of the students and to ease the efforts of teachers. Students work individually on the same work as their peers, being graded more on the responsibility to turn in homework and then regurgitate the information on summative tests than on the individualized learning processes

and growth. And it has worked for our school. We consistently have scored in the 70% range on state tests, putting ourselves solidly in the 3-star rating of schools.

But this is not enough. Under new leadership at ELJH, the staff is making efforts to change. Intervention groups based on formative testing throughout the year have been implemented. Updated computer labs have been purchased to enhance the basic computer skills of our students. Creative scheduling and teacher flexibility has led to student-centered decision making and improvements in our school.

This too, is not enough. With the funding provided through Nevada Ready 21, instruction will change by balancing smaller amounts of direct instruction and increasing inquiry and project based learning to create a personalized student centered atmosphere. The goal is to move our students from consumers and regurgitators of knowledge to consumers and assimilators of knowledge. To achieve this goal, technology will be interwoven into the daily instruction, communication, and research in all content areas.

The Plan

After careful research and collaborative discussion, the plan for ELJH implementation for Nevada Ready 21 is as follows:

Fall 2016- STEP 1

ELA-

Current Practice- Accelerated Reading and STAR testing program are administered by the librarian and ELA teachers. Students check out books and take tests based on their learning levels from STAR testing. Resources are limited to books on hand in the library or teacher classrooms.

Objective- Students will administer their own Accelerated Reading program and STAR testing through the use of AR 360 on their individual devices. These devices will allow students to choose their learning and reading choices in a variety of mediums; books, magazines, non-fiction, fiction, through the online capabilities of AR 360. Teachers will be able to monitor progress and student learning through the teacher portal within AR 360. ELA textbooks for classroom resources will also be online.

Outcome- All students will show one-year growth in reading scores as measured by MAP testing and AR 360.

Social Studies-

Current Practice- Students are assigned to collect two current event articles each week. These are printed, summarized, and turned in on a pre-printed form throughout the year. As they are in print format, it is difficult to share with other students to generate discussion.

Objective- With the use of individual devices, students will have a choice of current event topics of which they must research and respond to on discussion

boards with their peers. Discussion boards will be moderated by the teacher and will be used in class to enhance and deepen the discussion and learning of the current events studied. This system will allow for student choice and peer collaboration. Individual podcasts and other mediums of reporting will be available for students to enhance their creativity in work production. Social Studies textbooks for classroom resources will also be online.

Outcome- All students will improve their information literacy, critical thinking, and technology operations skills by at least 10 % as measured by the 21st Century Skills Assessment.

Science:

Current Practice- Students participate in science lab classes on a weekly basis. Teachers take students into the lab to complete lessons. Lab work and classroom activities do not always complement each other.

Objective- Videos of upcoming science labs will be uploaded to student management system for students to view and post questions on discussion boards prior to the actual lab class. Probable research questions will be posted for students to discuss among peers, moderated by the classroom teacher, and development of questions by students prior to lab class will allow teachers to know what the students are interested in and give direction to the student learning needed with the hands-on lab setting. Follow-up projects and experiments will be posted for student participation and development to deepen the learning and give students the opportunity to explore their own interests and questions. Science textbooks for classroom resources will also be online.

Measurable Outcome- All students will increase their critical thinking skills through completion of discussion board topics and research questions prior to science lab class as measured by participation on discussion board threads.

Math:

Current Practice- Math instruction is given directly with all students in the class completing the same homework individually. Grading emphasis is on completion of homework and final test results.

Objective- Classroom instruction will be based on previous day's discussion of homework from SMS discussion boards. Homework will be posted on the SMS for voluntary student completion. Discussion boards can/will be used to facilitate discussion among student peers and teacher moderator. Posted quizzes will be given daily at the beginning of class. Completed homework can be used on quizzes and tests to enhance and deepen learning. Grading will occur from quizzes and tests along with class-wide project based learning generated from discussion board threads. Math textbooks for classroom resources will also be online.

Outcome- All students will show one year growth in math scores as measured by MAP testing.

Spring 2017- STEP 2

Objective- Proposed objectives in ELA, Social Studies, Science, and Math will continue, with possible modifications based on student input and progress monitoring.

With the familiarity of the technology now a daily occurrence, project based learning will be introduced into the four core areas of instruction. Student group projects in ELA, Social Studies, Science, and Math will be chosen by students from a menu of possible topics generated from the Common Core Standards and discussion board threads of each content area. Rubrics will be generated through collaboration of students and teachers to guide the completion of these projects. Emphasis of these projects will be centered on the critical thinking, communication, collaboration, and creativity of the group projects.

Outcome- All students will improve their technology operations, information literacy, digital citizenship, critical thinking, decision making, creativity and innovation to inform instruction skills by at least 10 % as measured by the 21st Century Skills Assessment.

Fall 2017- STEP 2 (repeated)

Objective- Proposed objectives will continue with possible modifications based on student input and progress monitoring. Student Group Projects in individual core content areas will be completed with possible modifications based on student input and progress monitoring.

Outcome- All students will improve their technology operations, information literacy, digital citizenship, critical thinking, decision making, creativity and innovation to inform instruction skills by at least 10 % as measured by the 21st Century Skills Assessment.

Spring 2018- STEP 3

Objective- Proposed objectives will continue with possible modifications based on student input and progress monitoring.

With first semester student group projects being completed in individual content areas, students will now participate in cross-curricular project based learning during second semester. Project ideas will be chosen from a menu of ideas generated from common core standards and discussion board threads. Students will have their choice of a project theme. Rubrics will be generated through collaboration of students and teachers to guide the completion of these projects. Emphasis of these projects will be centered on the critical thinking, communication, collaboration, and creativity of the cross-curricular projects. Final presentations of these projects will be showcased for the entire school community to enjoy and participate in.

Outcome- All students will improve their technology operations, information literacy, digital citizenship, critical thinking, decision making, creativity and innovation to inform instruction skills by at least 10 % as measured by the 21st Century Skills Assessment.

The set pattern of student group projects in individual core content areas will then be repeated during semester one of succeeding years with the cross-curricular project based learning being repeated in semester two of those same years.

Careful consideration was given in the incremental planning of each step. In Step 1, the school takes current practices and introduces the use of technology into those practices to familiarize and train staff and students on the use of technology. In Step 2, with student and staff now familiar with the technology, student-centered group projects in individual content areas are implemented. Finally, in Step 3, the students engage in a cross-curricular project based learning process to culminate their learning for that school year. This step-by-step planning allows for students and staff alike to assimilate, process, evaluate and experience success at each level before moving to the next as we reach our ultimate goal of student-centered project based learning on a cross-curricular level.

All teachers will be supported by specific 21st learning trainings, the required 15-hour module training and other required NR21 trainings, district coaches, administration, and weekly collaboration with peers. Further staff development in technology, project based learning, and other areas of concern generated by participation in the process may be needed and will be provided/initiated by school administration and coaches.

The data points that will be considered along the way will be taken from the following sources:

- SBAC test results (yearly)
- EOC test results- Math only (yearly)
- Measure of Academic Progress (MAP) test results (3x a year)
- 21st Century Skills Assessment (Learning.com)
- Content area group project rubric scores
- Cross-curricular project rubric scores
- Individual content area formative and summative test results
- School culture survey responses
- Monthly student and staff response surveys
- Online Student Portfolios

Students

ELJH will engage the students in our school through the student-centered environment that will be established with our proposed plan by using various technological programs, such as photo/video/music editing, 3-D modeling, world atlas, science labs, and continual at-school access to the the internet. Students love learning when it connects the classroom to the outside world. There will also be an increase of opportunity for the students to publish examples of

authentic learning evidence that will occur with the changes in our school. ELJH will also investigate online course offerings for 6-8 grades to provide expanded learning opportunities. The use of this technology will strengthen teaching and learning, thus increasing the student engagement within the classroom environment.

The desired outcome is for students to be prepared to enter the 21st century workforce with specific skills in communication, collaboration, critical and creative thinking while maintaining the rigor, relevance, and relationships required from the Nevada Academic Content Standards (NACS). These outcomes will be achieved through the integrating of Nevada Ready 21 and assessed through project based learning each semester, along with our other identified data points. Online student portfolios will be used to show the students' growth in these areas.

The educational experience will change outside of school due to the equality of all students having 24/7 access to technology. We cannot ensure 24/7 access to the internet for all students at this time, but the fact that they will have the individual device that can provide a better level of equality for all students will help the students themselves take more ownership and become more vested in their own learning. It will provide a platform for more inquiry based learning and enhancing their own critical thinking skills.

Our desired student academic achievement outcomes are very simple: to produce 21st century thinkers through development of skills in critical thinking, communication, collaboration, and creativity. These will be measured using our identified data points and displayed through online student portfolios.

Teachers

Lander County School District has already established a strong commitment to teacher collaboration. Two hours of contract time is set aside each week for the collaborative discussion between school staff. Coupled with the professional development provided for in NR21, ELJH is set up nicely to be able to provide the required trainings, support groups, and district PD days to train, develop, and support our move to 21st century learning.

ELJH is home to a small staff of 15 certified teachers. Due to our small size, the staff is very close, collaborates well, and communicates on a daily basis with each other. With this "family" type environment already in place, it makes trying new things much "safer". Judgements are not passed on failures- rather we celebrate the willingness to try new things. The nice thing is that the staff shares and learns from each other so failures are not multiplied across the staff. This environment will be critical to the success of the NR21 at ELJH as the staff ventures out into unknown and new territory with student centered and inquiry based learning.

Our identified components of 21st century learning are critical thinking, communication, collaboration, and creativity coupled with the relevance, rigor, and relationships supported with the Nevada Academic Content Standards.

Professional development at our school is integrated through the use of weekly PLC meetings, peer discussions and peer observations. Due to our size, we are able to free up teachers to observe one another on a regular basis, thus enhancing and deepening the skills and discussions of all teachers.

We will use the expertise of those teachers who already work with project and inquiry based learning to lead discussions with those with less experience. However, it will be vital for all teachers, regardless of past experience in these areas, to communicate and collaborate on equal footing to push our entire school ahead.

There are no current professional development commitments for our staff for the next two years, which allows us to focus our full attention and time to the professional development and collaboration of NR21 topics.

Our staff has lead teachers in each core subject area. Their responsibility is to lead the content area PLC discussion, report progress/ideas/concerns to the leadership team, and to serve as subject area mentors for new teachers, if there are any in the subject area.

Principal

The principal at ELJH exhibits many leadership qualities that make him an excellent candidate to lead our school through the NR21 transformation. Our principal is flexible, approachable, a good communicator, adaptive and values the ideas of others. Shared leadership is not just a dream at our school; it is actually practiced.

Our principal has led us to make changes in our instruction through examination of data, assessments, teacher input and student needs. He has adapted our school schedule to enhance and promote student learning. He participates in our conversations on learning and gives the staff the resources they need to provide continuity and a positive teaching environment.

Our principal's vision is one of student-centered learning, increased student discussion, and enhanced technology. He would like to see staff incorporate more technology into their classrooms and provide options for students to participate in more individualized instruction through project and inquiry based learning. This fits perfectly with the direction of NR21.

Our instruction will change through the implementation of technology to include more student-centered, inquiry, and discussion based learning to create student ownership. Our weekly PLC discussions, coupled with assessments and review of our successes and failures, will allow us to make mid-course adjustments as necessary.

ELJH will use lead teachers, parent/student tutorial classes for technology, parent/student surveys, and regular communication with all stakeholders through the enhanced technology to communicate our plan and vision with all involved.

The current PLC system and relationship between principal and teachers gives us a strong active protocol to facilitate continuous improvement and shared leadership. The principal has established an environment where staff can talk, discuss, contend, and in the end, walk out in agreement on the direction we are going to take. This type of environment is crucial to the success of such a large scale change as NR21.

No changes in schedule, time, or related systems are necessary due to the existence of current systems which support the ongoing professional development required in NR21.

District Coach

Being a small rural district which is located at least one hour travel from the closest neighboring district, Lander County has experienced many different "coach" scenarios over the years. We have shared coaches with Humboldt, Elko, White Pine, and Eureka counties at different times. We have tried to hire coaches of our own. These options have not met with the best success. When we share coaches, we only get a portion of the amount of coaching that we need, and it is usually the lesser portion due to the distance of travel. Bringing in outside coaches

also does not engender cohesiveness within the efforts of a staff. Hiring our own coach is tough due to the small amount of teachers we already have and the inability of the district to continue to fund such positions at the conclusion of a grant project. Due to the nature of our coaching experience in the past, the staff feels comfortable and confident in our proposed coaching model for NR21.

Proposed Coaching Model:

ELJH proposes to have our building principal fulfill the coach responsibilities for the NR21 grant. The staff feels that if the coaching responsibilities were to be taken by the principal, it would not only give us an expert in our own building, but it would enhance our existing relationship of shared leadership within our school. With this model, response time to questions by staff would be less than 1 day, with personal attention given to the questions or concerns. With only 15 teachers in our school, the principal will be able to spend adequate time with each to promote the success of this program. He currently spends time daily in classrooms and engages staff in discussions concerning the effectiveness of teaching practices. As our principal has already demonstrated his ability to be the Instructional Leader within our school, it makes sense for him to have the expertise that the “coach” would have to be able to train the staff in the best practices for improvement and success in the implementation of the NR21 plan. He understands what our school’s vision is and is already an active participant in implementing that vision. With the environment of collaboration and communication already in place within our school, this seems like a natural fit that will ensure the success and fidelity of the implementation of NR21 in ELJH.

Parent/Caregivers and Other Stakeholders

Upon approval of the NR21 grant, ELJH has in place a plan to implement parent meetings, community informational gatherings, and a full school stakeholder communication campaign to front load the parents and caregivers on the expectations and requirements of this change process. We will use automated phone calls, print newsletters, website notifications, and person-to-person meetings to educate and involve all stakeholders in this process.

Tech Support

Lander County School District currently contracts with Oasis Online to provide all technology support for our district. Oasis Online was part of our planning process for this grant, so they are well aware and fully supportive of the needs that our school will have upon approval of this grant. We have a dedicated person to answer/fix/repair all technology work orders that are submitted. Response time is less than one hour.

Repair and replacement costs will be covered by the following plan:

- 1- Warranty Repair- covered under NR21
- 2- School Repair- ELJH will create a budget line with budgeted funds to pay for the repair/replacement of devices that are outside of warranty or are damaged/lost/broken

due to school or teacher negligence. Funds will be drawn from current textbook, technology, and software line items.

- 3- Student Repair- Policy will be put in place for the parent/student to incur the cost of repair/replacement due to student negligence. Similar policy already exists for textbook or other school supply repair/replacement.

Connectivity

The internet bandwidth at the school gateway is 474 kbps per student.

The ratio of bandwidth is 3:1. (see Over Subscription Worksheet)

The maximum throughput of the content filtering system is 1gb. We would be willing to upgrade if necessary.

There are no planned upgrades before the 2016-17 school year at this time.

BUDGET EXPENDITURE SUMMARY

SCHOOL DIST Lander County

SCHOOL / GR Eleanor Lemaire Junior High NR21

FISCAL YEAR

2016-2017

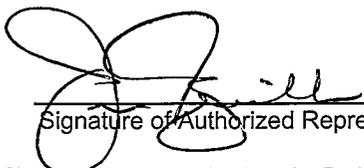
CHECK ONE: BUDGET X

AMENDMENT _____

FINAL REPORT _____

OBJECT	DESCRIPTION	INSTRUCTION COST	SUPPORT SERVICES	TOTAL
100	Salaries	0.00	0.00	0.00
200	Benefits	0.00	0.00	0.00
300	Purchased Professional Services	0.00	0.00	0.00
400	Purchased Property Services	0.00	0.00	0.00
500	510 Student Transportation Services	0.00	0.00	
	580 Staff Travel	1,902.50	0.00	
	500 Other	0.00	0.00	
	Total 500	1,902.50	0.00	1,902.50
600	610 General Supplies (exclude 612)	0.00	0.00	
	612 Non InformationTech Items of Value *	0.00	0.00	
	620 Energy	0.00	0.00	
	630 Food	0.00	0.00	
	640 Books and Periodicals (Ex 641)	0.00	0.00	
	641 Textbooks	0.00	0.00	
	650 Supplies; Info Tech (Ex 651 , 652, 653)	45,171.00	0.00	
	651 Software	9,675.88	0.00	
	652 Information Tech Items of Value *	127,626.00	0.00	
	653 Web-based and Similar Programs	0.00	0.00	
	Total 600	182,472.88	0.00	182,472.88
800	810 Dues and Fees	0.00	0.00	
	890 Other Miscellaneous	0.00	0.00	
	800 Other	0.00	0.00	
	Total 800	0.00	0.00	0.00
Subtotal 100 - 600 & 800		184,375.38	0.00	184,375.38
** Approved Indirect Cost Rate : 0.00%				0.00
700	730 Equipment: over \$5,000 each	0.00	0.00	
	700 Other	0.00	0.00	
	Total 700	0.00	0.00	0.00
TOTAL				184,375.38

Signature: _____



Signature of Authorized Representative

2-09-16

Date

* All Items of Value must be itemized on the Budget Detail.

** Indirect Cost Rates must be approved by the Dept. of Education before the subgrantee may budget for and charge those costs to the grant.

DEPARTMENT OF EDUCATION USE ONLY

Initial _____

Date Approved _____

BUDGET EXPENDITURE SUMMARY

SCHOOL DIST Lander County

SCHOOL / GR Eleanor Lemaire Junior High NR21

FISCAL YEAR 2016

CHECK ONE: BUDGET X AMENDMENT _____ FINAL REPORT _____

OBJECT	DESCRIPTION	INSTRUCTION COST	SUPPORT SERVICES	TOTAL
100	Salaries	0.00	0.00	0.00
200	Benefits	0.00	0.00	0.00
300	Purchased Professional Services	0.00	0.00	0.00
400	Purchased Property Services	0.00	0.00	0.00
500	510 Student Transportation Services	0.00	0.00	
	580 Staff Travel	1,530.75	0.00	
	500 Other	0.00	0.00	
	Total 500	1,530.75	0.00	1,530.75
600	610 General Supplies (exclude 612)	0.00	0.00	
	612 Non InformationTech Items of Value *	0.00	0.00	
	620 Energy	0.00	0.00	
	630 Food	0.00	0.00	
	640 Books and Periodicals (Ex 641)	0.00	0.00	
	641 Textbooks	0.00	0.00	
	650 Supplies; Info Tech (Ex 651 , 652, 653)	16,939.13	0.00	
	651 Software	9,675.88	0.00	
	652 Information Tech Items of Value *	47,859.75	0.00	
	653 Web-based and Similar Programs	0.00	0.00	
	Total 600	74,474.76	0.00	74,474.76
800	810 Dues and Fees	0.00	0.00	
	890 Other Miscellaneous	0.00	0.00	
	800 Other	0.00	0.00	
	Total 800	0.00	0.00	0.00
Subtotal 100 - 600 & 800		76,005.51	0.00	76,005.51
** Approved Indirect Cost Rate : 0.00%				0.00
700	730 Equipment: over \$5,000 each	0.00	0.00	
	700 Other	0.00	0.00	
	Total 700	0.00	0.00	0.00
TOTAL				76,005.51

Signature:  _____
 Signature of Authorized Representative

2-09-16
Date

* All Items of Value must be itemized on the Budget Detail.

** Indirect Cost Rates must be approved by the Dept. of Education before the subgrantee may budget for and charge those costs to the grant.

DEPARTMENT OF EDUCATION USE ONLY	
_____	_____
Initial	Date Approved

INSTRUCTION

Grant: Eleanor Lemaire Junior High NR21

Project No: _____
 Fiscal Year: FY16

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
100	PERSONNEL: Certified Teachers, Traditional Certified Teachers, Yr Round Substitutes Classified Assistants Aides Extra Duty Stipends: one-time Training Stipends Certified Instructor Stipends Certified Hourly Pay					
NARRATIVE:						
TOTAL					\$ -	\$ -
200	BENEFITS: Group Insurance Life Insurance: Cert / Class Life Insurance: Admin / Pro Long Term Disab: Admin / Pro FICA PERS Medicare Workers Compensation Other Post Emp Benefits Post Employment Benefits					
NARRATIVE: Standard fringe benefits rates.						
TOTAL					\$ -	\$ -

INSTRUCTION

Grant: Eleanor Lemaire Junior High NR21

Project No: _____
 Fiscal Year: FY16

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
300	PURCHASED PROF. SERVICES:					
320	Educational Consultants					
330	Employee Training & Develop					
NARRATIVE:						
TOTAL					\$ -	\$ -
400	PURCHASED PROP. SERVICES:					
Other	Insert Object & Description					
NARRATIVE:						
TOTAL					\$ -	\$ -

INSTRUCTION

Grant: Eleanor Lemaire Junior High NR21

Project No: _____
 Fiscal Year: FY16

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
500	OTHER PURCHASED SERVICES:					
510	Student Transportation					\$ -
519	Student Travel & Related					\$ -
580	Hotel				\$ 594.00	
	Meals				\$ 287.00	\$ 881.00
580	Mileage				\$ 649.75	\$ 649.75
531	Postage					\$ -
534	Cell Phone					\$ -
550	Printing					\$ -
560	Student Tuition					\$ -
500 Other	Insert Object & Description					\$ -
500 Other	Insert Object & Description					\$ -
NARRATIVE:						
TOTAL					\$ 1,530.75	

INSTRUCTION

Grant: Eleanor Lemaire Junior High NR21

Project No: _____
 Fiscal Year: FY16

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
600	SUPPLIES:					
610	General Supplies					\$ -
612	Non Info Tech Inventory Items					\$ -
620	Energy					\$ -
630	Food, Nutrition Program Only					\$ -
640	Professional Books (Ex 641)					\$ -
640	Magazines/Periodicals(Ex 641)					\$ -
640	Library Books (Ex 641)					\$ -
641	Textbooks					\$ -
650	Device Network Seat Cost				\$ 16,939.13	\$ 16,939.13
651	Canvas Implementation Fee				\$ 4,500.00	\$ 9,675.88
	Tier 1 Support Fee				\$ 4,000.00	
	Canvas Subscription Fee				\$ 1,175.88	

INSTRUCTION

Grant: Eleanor Lemaire Junior High NR21

Project No: _____
 Fiscal Year: FY16

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
651	Administrative Software					\$ -
652	Devices				\$ 47,859.75	\$ 47,859.75
652	Info Tech Inventory Items					\$ -
653	Web Based & Similar					\$ -
<p>NARRATIVE:</p>						
TOTAL					\$ 74,474.76	

INSTRUCTION

Grant: Eleanor Lemaire Junior High NR21

Project No: _____
 Fiscal Year: FY16

A	B	C	D	E	F	
Object Code	Title of Position or Description of Item	FTE	Quantity	Unit Amount/ Calculations	Total Amount	Budget Summary Object Total
800	OTHER OBJECTS:					
810	Dues & Fees					\$ -
890	Miscellaneous					\$ -
800 Other	Insert Object & Description					\$ -
NARRATIVE:						
TOTAL					\$ -	
Subtotal Objects 100 - 600 & 800					\$ 76,005.51	
Approved Indirect Cost Rate: _____ x Subtotal Above						
700	EQUIPMENT:					
730	Capital Equipment > \$5,000					
730	Capital Computer > \$5,000					\$ -
700 Other	Other > \$5,000					\$ -
NARRATIVE:						
TOTAL					\$ -	
GRANT TOTAL					\$ 76,005.51	

SUPPORT SERVICES

Grant: Eleanor Lemaire Junior High NR21

Project No: _____
 Fiscal Year: FY 16

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
100	PERSONNEL: Certified Teachers, Traditional Certified Teachers, Yr Round Substitutes Classified Assistants Aides Extra Duty Stipends: one-time Training Stipends Certified Instructor Stipends Certified Hourly Pay					
NARRATIVE:						
TOTAL					\$ -	\$ -
200	BENEFITS: Group Insurance Life Insurance: Cert / Class Life Insurance: Admin / Pro Long Term Disab: Admin / Pro FICA PERS Medicare Workers Compensation Other Post Emp Benefits Post Employment Benefits					
NARRATIVE:						
TOTAL					\$ -	\$ -

SUPPORT SERVICES

Grant: Eleanor Lemaire Junior High NR21

Project No: _____

Fiscal Year: FY 16

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
300	PURCHASED PROF. SERVICES:					
320	Educational Consultants					
330	Employee Training & Develop					
NARRATIVE:						
TOTAL					\$ -	\$ -
400	PURCHASED PROP. SERVICES:					
Other	Insert Object & Description					
NARRATIVE:						
TOTAL					\$ -	\$ -

SUPPORT SERVICES

Grant: Eleanor Lemaire Junior High NR21

Project No: _____

Fiscal Year: FY 16

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
500	OTHER PURCHASED SERVICES:					
510	Student Transportation					\$ -
519	Student Travel & Related					\$ -
580	Travel					\$ -
580	Mileage					\$ -
531	Postage					\$ -
534	Cell Phone					\$ -
550	Printing					\$ -
560	Student Tuition					\$ -
500 Other	Insert Object & Description					\$ -
500 Other	Insert Object & Description					\$ -
NARRATIVE:						
TOTAL					\$	-

SUPPORT SERVICES

Grant: Eleanor Lemaire Junior High NR21

Project No: _____

Fiscal Year: FY 16

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
600	SUPPLIES:					
610	General Supplies					\$ -
612	Non Info Tech Inventory Items					\$ -
620	Energy					\$ -
630	Food, Nutrition Program Only					\$ -
640	Professional Books (Ex 641)					\$ -
640	Magazines/Periodicals(Ex 641)					\$ -
640	Library Books (Ex 641)					\$ -
641	Textbooks					\$ -
650	Info Tech Supplies					\$ -
651	Instructional Software					\$ -

SUPPORT SERVICES

Grant: Eleanor Lemaire Junior High NR21

Project No: _____
 Fiscal Year: FY 16

A	B	C	D	E	F	
Object Code	Title of Position or Description of Item	FTE	Quantity	Unit Amount/ Calculations	Total Amount	Budget Summary Object Total
800	OTHER OBJECTS:					
810	Dues & Fees					\$ -
890	Miscellaneous					\$ -
800 Other	Insert Object & Description					\$ -
NARRATIVE:						
					TOTAL	\$ -
Subtotal Objects 100 - 600 & 800						\$ -
Approved Indirect Cost Rate: _____ x Subtotal Above						\$ -
700	EQUIPMENT:					
730	Capital Equipment > \$5,000					\$ -
730	Capital Computer > \$5,000					\$ -
700 Other	Other > \$5,000					\$ -
NARRATIVE:						
					TOTAL	\$ -
					GRANT TOTAL	\$ -

BUDGET EXPENDITURE SUMMARY

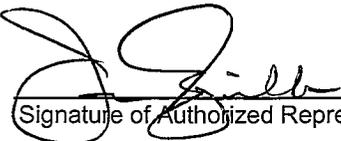
SCHOOL DIST Lander County

SCHOOL / GR Eleanor Lemaire Junior High NR21

FISCAL YEAR 2017

CHECK ONE: BUDGET X AMENDMENT _____ FINAL REPORT _____

OBJECT	DESCRIPTION	INSTRUCTION COST	SUPPORT SERVICES	TOTAL
100	Salaries	0.00	0.00	0.00
200	Benefits	0.00	0.00	0.00
300	Purchased Professional Services	0.00	0.00	0.00
400	Purchased Property Services	0.00	0.00	0.00
500	510 Student Transportation Services	0.00	0.00	
	580 Staff Travel	371.75	0.00	
	500 Other	0.00	0.00	
	Total 500	371.75	0.00	371.75
600	610 General Supplies (exclude 612)	0.00	0.00	
	612 Non InformationTech Items of Value *	0.00	0.00	
	620 Energy	0.00	0.00	
	630 Food	0.00	0.00	
	640 Books and Periodicals (Ex 641)	0.00	0.00	
	641 Textbooks	0.00	0.00	
	650 Supplies; Info Tech (Ex 651 , 652, 653)	28,231.87	0.00	
	651 Software	0.00	0.00	
	652 Information Tech Items of Value *	79,766.25	0.00	
	653 Web-based and Similar Programs	0.00	0.00	
	Total 600	107,998.12	0.00	107,998.12
800	810 Dues and Fees	0.00	0.00	
	890 Other Miscellaneous	0.00	0.00	
	800 Other	0.00	0.00	
	Total 800	0.00	0.00	0.00
Subtotal 100 - 600 & 800		108,369.87	0.00	108,369.87
** Approved Indirect Cost Rate : 0.00%				0.00
700	730 Equipment: over \$5,000 each	0.00	0.00	
	700 Other	0.00	0.00	
	Total 700	0.00	0.00	0.00
TOTAL				108,369.87

Signature:  _____
 Signature of Authorized Representative

Date 2-09-16

* All Items of Value must be itemized on the Budget Detail.

** Indirect Cost Rates must be approved by the Dept. of Education before the subgrantee may budget for and charge those costs to the grant.

DEPARTMENT OF EDUCATION USE ONLY	
_____	_____
Initial	Date Approved

INSTRUCTION

Grant: Eleanor Lemaire Junior High NR21

Project No: _____
 Fiscal Year: FY17

A	B	C	D	E	F	
Object Code	Title of Position or Description of Item	FTE	Quantity	Unit Amount/ Calculations	Total Amount	Budget Summary Object Total
100	PERSONNEL: Certified Teachers, Traditional Certified Teachers, Yr Round Substitutes Classified Assistants Aides Extra Duty Stipends: one-time Training Stipends Certified Instructor Stipends Certified Hourly Pay					
NARRATIVE:						
TOTAL					\$ -	\$ -
200	BENEFITS: Group Insurance Life Insurance: Cert / Class Life Insurance: Admin / Pro Long Term Disab: Admin / Pro FICA PERS Medicare Workers Compensation Other Post Emp Benefits Post Employment Benefits					
NARRATIVE:						
Standard fringe benefits rates.						
TOTAL					\$ -	\$ -

INSTRUCTION

Grant: Eleanor Lemaire Junior High NR21

Project No: _____
 Fiscal Year: FY17

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
300	PURCHASED PROF. SERVICES:					
320	Educational Consultants					
330	Employee Training & Develop					
NARRATIVE:						
TOTAL					\$ -	\$ -
400	PURCHASED PROP. SERVICES:					
Other	Insert Object & Description					
NARRATIVE:						
TOTAL					\$ -	\$ -

INSTRUCTION

Grant: Eleanor Lemaire Junior High NR21

Project No: _____
 Fiscal Year: FY17

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
500	OTHER PURCHASED SERVICES:					
510	Student Transportation					\$ -
519	Student Travel & Related					\$ -
580	Meals				\$ 287.00	\$ 287.00
580	Mileage				\$ 84.75	\$ 84.75
531	Postage					\$ -
534	Cell Phone					\$ -
550	Printing					\$ -
560	Student Tuition					\$ -
500 Other	Insert Object & Description					\$ -
500 Other	Insert Object & Description					\$ -
NARRATIVE:						
TOTAL					\$ 371.75	

INSTRUCTION

Grant: Eleanor Lemaire Junior High NR21

Project No: _____
 Fiscal Year: FY17

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
600	SUPPLIES:					
610	General Supplies					\$ -
612	Non Info Tech Inventory Items					\$ -
620	Energy					\$ -
630	Food, Nutrition Program Only					\$ -
640	Professional Books (Ex 641)					\$ -
640	Magazines/Periodicals(Ex 641)					\$ -
640	Library Books (Ex 641)					\$ -
641	Textbooks					\$ -
650	Device Network Seat Cost				\$ 28,231.87	\$ 28,231.87
651	Instructional Software					\$ -

INSTRUCTION

Grant: Eleanor Lemaire Junior High NR21

Project No: _____
 Fiscal Year: FY17

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
651	Administrative Software					\$ -
652	Devices				\$ 79,766.25	\$ 79,766.25
652	Info Tech Inventory Items					\$ -
653	Web Based & Similar					\$ -
NARRATIVE:						
TOTAL					\$ 107,998.12	

INSTRUCTION

Grant: Eleanor Lemaire Junior High-NR21

Project No: _____
 Fiscal Year: FY17

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
800	OTHER OBJECTS:					
810	Dues & Fees					\$ -
890	Miscellaneous					\$ -
800 Other	Insert Object & Description					\$ -
NARRATIVE:						
					TOTAL	\$ -
Subtotal Objects 100 - 600 & 800						\$ 108,369.87
Approved Indirect Cost Rate: _____ x Subtotal Above						\$ -
700	EQUIPMENT:					
730	Capital Equipment > \$5,000					\$ -
730	Capital Computer > \$5,000					\$ -
700 Other	Other > \$5,000					\$ -
NARRATIVE:						
					TOTAL	\$ -
GRANT TOTAL						\$ 108,369.87

SUPPORT SERVICES

Grant: Eleanor Lemaire Junior High NR21

Project No: _____

Fiscal Year: _____

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
100	PERSONNEL: Certified Teachers, Traditional Certified Teachers, Yr Round Substitutes Classified Assistants Aides Extra Duty Stipends: one-time Training Stipends Certified Instructor Stipends Certified Hourly Pay					
NARRATIVE:						
TOTAL					\$ -	\$ -
200	BENEFITS: Group Insurance Life Insurance: Cert / Class Life Insurance: Admin / Pro Long Term Disab: Admin / Pro FICA PERS Medicare Workers Compensation Other Post Emp Benefits Post Employment Benefits					
NARRATIVE: Standard fringe benefits rates.						
TOTAL					\$ -	\$ -

SUPPORT SERVICES

Grant: Eleanor Lemaire Junior High NR21

Project No: _____

Fiscal Year: _____

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
300	PURCHASED PROF. SERVICES:					
320	Educational Consultants					
330	Employee Training & Develop					
NARRATIVE:						
TOTAL					\$ -	\$ -
400	PURCHASED PROP. SERVICES:					
Other	Insert Object & Description					
NARRATIVE:						
TOTAL					\$ -	\$ -

SUPPORT SERVICES

Grant: Eleanor Lemaire Junior High NR21

Project No: _____

Fiscal Year: _____

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
500	OTHER PURCHASED SERVICES:					
510	Student Transportation					\$ -
519	Student Travel & Related					\$ -
580	Travel					\$ -
580	Mileage					\$ -
531	Postage					\$ -
534	Cell Phone					\$ -
550	Printing					\$ -
560	Student Tuition					\$ -
500 Other	Insert Object & Description					\$ -
500 Other	Insert Object & Description					\$ -
NARRATIVE:						
TOTAL					\$	-

SUPPORT SERVICES

Grant: Eleanor Lemaire Junior High NR21

Project No: _____

Fiscal Year: _____

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
600	SUPPLIES:					
610	General Supplies					\$ -
612	Non Info Tech Inventory Items					\$ -
620	Energy					\$ -
630	Food, Nutrition Program Only					\$ -
640	Professional Books (Ex 641)					\$ -
640	Magazines/Periodicals(Ex 641)					\$ -
640	Library Books (Ex 641)					\$ -
641	Textbooks					\$ -
650	Info Tech Supplies					\$ -
651	Instructional Software					\$ -

SUPPORT SERVICES

Grant: Eleanor Lemaire Junior High NR21

Project No: _____

Fiscal Year: _____

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
651	Administrative Software					\$ -
652	Computers					\$ -
652	Info Tech Inventory Items					\$ -
653	Web Based & Similar					\$ -
NARRATIVE:						
TOTAL					\$	-

SUPPORT SERVICES

Grant: Eleanor Lemaire Junior High NR21

Project No: _____
 Fiscal Year: _____

A Object Code	B Title of Position or Description of Item	C FTE	D Quantity	E Unit Amount/ Calculations	F Total Amount	Budget Summary Object Total
800	OTHER OBJECTS:					
810	Dues & Fees					\$ -
890	Miscellaneous					\$ -
800 Other	Insert Object & Description					\$ -
NARRATIVE:						
TOTAL					\$ -	
Subtotal Objects 100 - 600 & 800					\$ -	
Approved Indirect Cost Rate: _____ x Subtotal Above					\$ -	
700	EQUIPMENT:					
730	Capital Equipment > \$5,000					\$ -
730	Capital Computer > \$5,000					\$ -
700 Other	Other > \$5,000					\$ -
NARRATIVE:						
TOTAL					\$ -	
GRANT TOTAL					\$ -	

Appendix B: School Demographics Worksheet

Complete the form with information about the applying school

School Name: Eleanor Lemaire Junior High School

Students

# Enrolled (Current)	# Enrolled (Projected)	# IEP	# FRL	#ELL
211	218	23	74	15

The information below is for informational purposes only and will not be subject to scoring.

Staff (Current, Pre-NR21 Counts)

#Teachers	#Tech Coaches	#IT Technicians	Total # Staff in Gateway
20	0	1	21

Does the school use Canvas as an LMS?

Yes

No

If so, in what capacity?

Name of the district point of contact for this program:

Toby Melver

Wireless Local Area Network (WLAN) Specifications Summary Form

Manufacturer AeroHive

Wireless Transmission Rate of 450 MB/sec at a range of 50 feet
 350 MB/sec at a range of 100 feet
 200 MB/sec at a range of 200 feet
Maximum Range of 328 feet

Full disclosure of the capabilities and limitations of the wireless technology proposed must be included such as interference between classrooms, distance and object penetration data, and susceptibility to interference from outside sources.

Radio Specifications—802.11a

- 5.150–5.950 GHz Operating Frequency
- Orthogonal Frequency Division Multiplexing (OFDM) Modulation
- Rates (Mbps): 54, 48, 36, 24, 18, 12, 9, 6 w/ auto fallback

Radio Specifications—802.11b

- 2.4–2.5GHz OperatingFrequency
- Direct-Sequence Spread-Spectrum (DSSS) Modulation
- Rates (Mbps): 11, 5.5, 2, 1 w/auto fallback

Radio Specifications—802.11g

- 2.4–2.5 GHz Operating Frequency
- Orthogonal Frequency Division Multiplexing (OFDM) Modulation
- 20 dBm (100 mW) Transmit Power
- Rates (Mbps): 54, 48, 36, 24, 18, 12, 9, 6 w/ auto fallback

Radio Specifications—802.11n

- 2.4–2.5 GHz & 5.150–5.950 GHz Operating Frequency
- 802.11n Modulation
- Rates (Mbps): MCS0–MCS23 (6.5Mbps - 450Mbps)
- 3x3:3 Stream Multiple-In, Multiple-Out (MIMO) Radio
- HT20 High-Throughput (HT) Support (for both 2.4 GHz and 5 GHz)

- A-MPDU and A-MSDU Frame Aggregation

Antennas

- 3x Integrated single band, 2.4-2.5 GHz Omni-directional antennas, 6.0 dBi peak gain
- 3x Integrated single band, 5.1-5.8 GHz Omni-directional antennas, 6.0 dBi peak gain

Interfaces

- 2x autosensing 10/100/1000 Base-T Ethernet Ports

- **Link Aggregation supported via Ether channel (link aggregation at 10/100 only)**
- **1x Serial RJ45 port (bits per second: 9600, data bits: 8, parity: none, stop bits: 1, flow control: none)**
- **USB 2.0 port (with power adapter only)**
- **1x Reset Pinhole**

We are in the process of rolling out our Aerohive solution in LCSD. However, we have been running it in another district for several years now. We've found it to be an extremely reliable system. We will be able to roll out the number of AP's needed for more than adequate coverage across our campuses.

Please describe the average amount of time in hours per month the system will be down for regular scheduled maintenance. Also describe how maintenance will be accomplished so that the impact on system availability is minimized.

None

Please describe how backup systems will be utilized so that the impact on system availability is minimized.

The Aerohive system has Automatic Mesh backup system.

Please describe other WLAN specifications

The AP330 provides high-performance 3x3 three spatial stream MIMO on dual concurrent (2.4Ghz and 5Ghz) 802.11n access radios and is designed for high bandwidth wireless enterprise environments. In addition, the AP330 can support legacy 802.11a, b, and g clients and interoperate with the rest of the Aerohive Cooperative Control devices to provide a seamless enterprise-class experience for all connected users. Multiple radios provide concurrent 802.11a/n and 802.11b/g/n connections with no degradation in performance.

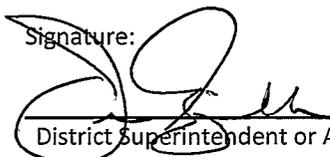
- **Automatic or dedicated mesh backup**
- **Dual Ethernet ports for etherchannel or backup connectivity.**
- **Plenum Rated APs for indoor, office environments**
- **Supports 802.3af PoE or standard power adapter**
- **USB interface for future 3G/4G services**
- **Hardware acceleration for IPsec services**

Appendix E: Assurances

The undersigned provides the following assurances:

1. The provisions listed in the Educational Technology Appropriation pertaining to the use of the technology appropriations will be fully accepted and complied with.
2. The funding provided through the Educational Technology Appropriation will be accounted for separately in a Special Revenue Account. The accounting and program records will be available to representatives of the Commission on Educational Technology, Nevada Department of Education, Legislative Committee on Education, Legislative Counsel Bureau, Legislative Bureau of Educational Accountability and Program Evaluation, and State Department of Administration. The records will also be subject to the annual organization audit required of all school districts.
3. The reports pertaining to educational technology requested by the Commission on Educational Technology, Nevada Department of Education, Legislative Committee on Education, Legislative Counsel Bureau, Legislative Bureau of Educational Accountability, and State Department of Administration will be filed accurately and within the prescribed timelines. If they are not, this will be grounds for forfeiture of remaining funds for the FY16 or FY17 grant cycle.
4. Students with special needs and disabilities will receive the consideration of programs and projects involving the enhancement of educational technology.
5. The school district will not use the funds to enhance the salaries or benefits of current employees. Furthermore the funding will not be used to increase the resources available for contract negotiations with the associations representing the various employee groups.
6. The district agrees to hire a district coach dedicated to NR21 as outlined in the application.
7. The district agrees to provide adequate tech support for NR21 as outlined in the application.
8. The district agrees to pay the vendor(s) that are selected for the project as defined in the grant award.
9. The district agrees to provide a service level of on-site technical support to students and staff with a target maximum 24 hours response time.
10. The district agrees to provide adequate locations at the school to house the networking equipment including switches, patch panels, and controllers including surge protection.
11. The district agrees that the bandwidth identified in the submitted application will in place by implementation of the program.
12. The district agrees to fully comply with all NR21 professional development requirements and those outlined by the district in the application.
13. The district agrees to maintain students' media releases and acceptable use policies as normally administered by the district and school(s).
14. The district agrees to fully comply with the needs assessment mandated by NRS 388.795. Second year funding may be withheld if the district does not comply.
15. The district agrees to fully comply with the outside evaluation team that will evaluate the effectiveness of these grants and any other state data collection initiative. Noncompliance may affect the district's eligibility in future grant cycles or result in forfeiture of remaining funds for the FY16 or FY17 grant cycle.
16. All requests for budget amendments must be made in writing prior to expenditure of funds.
17. Final financial reports will be on file with the Nevada Department of Education for all previous educational technology funding within 45 days from the end of the grant cycle.
18. Agree that any funds not committed for expenditure as of June 30, 2017 will be returned to the Nevada Department of Education for reversion to the State General Fund.
19. Agree to all the terms of participation outlined in this RFA.

Signature:



District Superintendent or Authorized Designee

Jim Squibb

Print Name Here

2/9/2016

Date

Lander

School District

Oversubscription Rate Calculator

Please enter the bandwidth available at each school site in column C and the available upstream bandwidth in cell E4. Report the oversubscription rate from E7 as the answer to question 2 in the *Connectivity* section.

School Name	Bandwidth (mbps)
Battle Mountain Elementary	100
Eleanor Lemaire Junior High	100
Battle Mountain High School	100
Total	300

Upstream WAN connection speed (mbps)
100

Oversubscription Rate
3.0 to 1