ADA EARLY CHILDHOOD CENTER

Our school continually strives to provide our students with innovative approaches to learning. We recently continued that effort with the addition of the Literacy Park; an outdoor classroom that supports a multi-sensory approach to learning. The Literacy Park is a designated area completely separate from the playground and is focused on literacy skills, but will also enable students to strengthen math and STEM standards as well. Students will ride tricycles to identify letters and sounds, dig for letters in a sandbox area to spell consonant-vowel-consonant words or dig for letters to match uppercase and lowercase letters. Additionally, students will reinforce writing skills at the easel area and develop phonemic awareness skills as they hop on stepping stones to segment words or identify rhyming words. Students will self-select books in an area of the Literacy Park designated for reading. A portion of the park will allow students to re-enact stories as well as conduct research on objects such as insects or plants found in the park. While all of these activities support the curriculum, a critical component is missing; that component being technology. The technology provided by this grant would allow teachers to embed collaboration, creativity, problem solving and critical thinking thus creating a complete authentic learning environment for our students.

Students will be able to take pictures of objects that begin with a specified letter or find rhyming words. Re-enactments or created stories can be shared with other classes as well as parents. The students can actually take pictures of plants and make comparisons of growth and characteristics which reinforces critical thinking. Recording a time lapse video of an ice cube melting in the sun supports STEM standards as well as opens doors for students to problem solve. While acquiring the devises, provided by the OETT grant will be a critical component for creating a complete authentic learning environment for our students, they will also be used to support traditional classroom learning centers and assist assessment of student learning.

The school district has made a significant commitment for systemic support in the area of technology. The district Director of Technology has developed a framework to assist and support teachers with technology concerns. Teacher techs are in place at each site and are there to offer support as well as provide best practices for teachers. Additionally, our district has provided appropriate server capabilities which will support additional technology as it becomes available.

Securing funds from the OETT grant will be critical to help our school reach the goals we have established in terms of technology. The grant will enable us to continue our quest to providing innovative approaches to learning where students will be successful as well as close achievement gaps and create an equitable learning environment for all students.

ADA EARLY CHILDHOOD CENTER	
Quantity	Description
12	iPad WI-FI & Cases
11	OSMO Classroom Kit-Genius Level

ARNETT ELEMENTARY

Our school's vision for technology is, "To instill and promote the ethical and responsible use of technology to create authentic learning experiences that encourage creativity, collaboration, and critical thinking." To implement this vision we have chosen to focus on the following IDEALS: Shared Values, Authenticity, and Teacher Collaboration. Through this grant process we have come together as a staff and researched, inquired, discussed and learned like never before. Together we have formed our own professional learning community where it is safe to take chances and help one another through frustrations. As we learn what authentic teaching and learning looks like, we will use the SAMR model to guide us through the process of designing experiences where students can be collaborators, creators, communicators and critical thinkers. We want to transform the mindset from teacher-centered instruction to student-centered learning. We are eagerly anticipating the K20 Center's training that will supply us with the knowledge to create these authentic learning opportunities for our students.

Students acquire knowledge through so many other avenues than what have been available to us in the past. Our world has evolved with technology, and we must evolve with it, even if it means changing our ideology of teaching. To do this we must put technology into the hands of the students and empower them to take control of their learning. After much discussion and research, we have decided to purchase iPads for all students K-3 to allow those students an introduction to creating with apps like Book Creator, communicating through Kidblog and Seesaw, and critical thinking activities such as beginner coding. We feel that grades 4-8 would benefit most using Chromebooks with the Google platform to achieve the 4C's of communicating, collaborating, creating and critical thinking. Regardless of the device, a 1:1 initiative is necessary in order to maximize our effort to integrate technology across the curriculum and achieve our vision. In addition to the student devices, the grant would also provide a Google management system and charging stations for the Chromebooks, and charging, syncing and security equipment to manage the iPads.

We began this process including all stakeholders and recognize the importance of maintaining stakeholder input when making educational decisions in the future. One of the greatest assets we have as a school is administrative support. Our superintendent recognizes that to implement our vision, the school must upgrade the infrastructure, and provide time for collaboration and ongoing training for our teachers. We have discovered that this grant is not just about acquiring technology but inciting a change in pedagogy. This will be an ongoing process that will continue to evolve and change, and the stakeholders are committed to supporting this transformation.

ARNETT ELEMENTARY SCHOOL	
Quantity	Description
104	Chromebooks & Management Console
1	Reflector 2 Software (5 licenses)
60	Ipads

CHECOTAH MARSHALL ELEMENTARY SCHOOL

By receiving the OETT grant, our school will be able to fulfill our shared vision of providing all students with the opportunity to become critically thinking, problem solving, decision making adults in a global society. We will provide a more authentic learning environment and attain a climate of better equity for all students. The OETT grant team has chosen practice #1, Shared Vision, practice # 2, Authentic Teaching and Learning, and practice

9, Equity Concerns. We believe these practices will support our vision. We plan to purchase 82 iPad 2 minis and 58 Chromebooks if awarded the grant. Our teachers will use Storybird technology and other apps such as Tikatok, Goanimate, and Animoto to provide our students with authentic learning experiences and integrate technology into lessons in all content areas. We will use these apps to write books, go on virtual field trips, research, create digital projects, and work collaboratively in groups. Utilizing this technology in classrooms and during Response to Intervention will strengthen understanding of concepts for students that have not had early exposure (Buffum & Mattos, 2014).

Our teachers have made improvements toward being consistent with implementing authentic teaching. Teachers meet bi-monthly during professional learning communities (PLC) meetings to discuss data from Literacy First and other common assessments to develop creative activities and more authentic learning opportunities. Because we have inadequate student devices and lack meaningful professional development, the OETT grant would help provide ways for our teachers to use technology to enhance instruction and engage students in hands-on activities.

With 77% of our students receiving free or reduced lunches we have a very diverse socio-economic student body; however we continue striving to ensure an equal and fair environment for all students. Our stakeholders and grant team understand that in order to lessen these limitations within the school and rural community, we will need to seek additional support and funding. With the OETT grant we can begin to reduce the socio-economic achievement gap. Our school would like to provide equal access to technology in order to provide a more student-centered, authentic learning experience. This exposure would ultimately provide a view of the world other than our small community and bring to life the cultures and vocabulary that are more easily accessed by our more affluent population allowing all students to become empowered learners.

CHECOTAH MARSHALL ELEMENTARY SCHOOL	
Quantity	Description
60	Lenova Chromebooks & Management License
82	Ipads & cases with screen protectors
2	Luxor 30 unit mobile cart
8	Store & Charge Stations
23	Headphones

CORDELL ELEMENTARY SCHOOL

This Elementary Makerspace Project is about further developing our school's ability to implement the three practices of high achieving schools (1. Shared Vision; 2. Authentic Teaching, Learning and Assessment; and 3. Teachers Collaborate and Learn Together) to provide high-poverty, at-risk students authentic learning opportunities from highly trained teachers to transform learning where students are creators, communicators, collaborators, and critical thinkers. Goals and performance targets have been established using baseline data so that progress can be measured comparing pre/post grant implementation. Academic Achievement Goal: Increase rigor and technology-integrated instruction within Science, Technology, Engineering, and Math (STEM) curricula for elementary students and increase student academic achievement in science to prepare students for 21st Century careers. Professional Development Goal: Increase teacher access to external expertise to integrate STEM into all grade levels and ensure students will be instructed by highly trained teachers embedding technology for authentic teaching, learning, and assessment. Parent Engagement Goal: Increase parents' opportunities to participate in their child's learning. The Leadership Team has engaged in conferences, site visits of other school's STEM classrooms, meetings, and surveys of stakeholders to create the OETT grant implementation plan.

Phase II will create four PreK-2nd grade STEM Carts of 10 iPads, Bee/Blue-Bots, Tiggly, and Osmo STEM tools, creating a 5:1 ratio of students to iPads for PreK-2nd grade. An obsolete computer lab will be converted into a 3rd – 6th grade Makerspace Lab with 30 iPads, Dash & Dot Robots, littleBits, Arduino Coding Kits, Makey Makey Classic tools, and apps. Students will: Code Bee/Blue-Bots using numbers, letters, sight words, math problems, etc.; Engage in hands-on manipulatives and coding command blocks with Tiggly and Osmo; Code Dash & Dot Robots to be an alarm, play tag, and join robotics competitions; Create foil guitars/instruments and much more with Makey Makey; Construct littleBits to invent self-driving cars, art machines, etc.; and Increase rigor through the Arduino Coding Kit to build an Etch-A-Sketch or student-choice projects.

The school will continue to implement monthly whole-staff meetings from 3:30 – 4:00 PM and weekly early release Fridays for Professional Learning Community meetings for Response To Intervention (2:30 – 3:30 PM). The curriculum director and grade level coaches will continue to coach, model, and co-teach to sustain Makerspace activities beyond the grant. The technology director will maintain the wireless network to ensure iPads and all mobile technology are fully functional and accessible for student learning. The district will maintain OETT technology beyond the life of the grant as part of the long-term Technology Plan.

CORDELL ELEMENTARY SCHOOL	
Quantity	Description
80	Ipads & covers
25	Chromebooks with licensing
5	Charging station
8	OSMO Explorer kit
1	Makey Makey STEM Pack
8	Bee Bots
8	Tiggly Learning Stations (Words, Math, Shapes)
4	Mats (alphabet, shapes, coins, number line, CVC Word Mat)
2	LittleBits STEAM Education Class pack
10	ProBot with Route Maps, and Route Map protectors

DEER CREEK INTERMEDIATE SCHOOL

Our Shared Vision includes Authentic Use of Technology and Teacher Collaboration. Our students must have daily access to authentic integration of digital devices to collaboratively create and communicate knowledge through critical thinking. Authentic Learning focuses on real-world, complex problems and their solutions. We would like to implement real- world project based learning to support this element. Teacher Collaboration helps teachers share ideas, increases student achievement, creates a positive campus climate and increases community involvement. Our teachers are blessed to have Late Start Wednesday Site PLC. This time allows for job-embedded PD and teacher-led professional development. We will use some of our Late Start hours for the grant PD.

Our district supports several initiatives that involve technology such as a one to one initiative, ebooks, and Google Classroom to name a few. At our site we have approximately nine hundred 5th and 6th grade students divided into 6 different teams. We currently have one iPad cart per team allowing 150 students to share 30 iPads. One goal of this grant is to continue toward our district's one to one initiative by putting more iPads into the hands of the students. This will provide more opportunities for our students to create, collaborate and communicate and think critically through the use of technology.

The OETT Grant Team of administrators and teachers will lead the way as we implement this new technology. Our Site and District TIGS (Technology Information Gurus) will play a huge role with our job-embedded professional development. Parent surveys indicate their support because they feel that technology in the classroom is of utmost importance. Our Chief Information Officer and Technology Department are committed to helping with installation and maintenance of our devices. Our School Board and PTO Board have vowed to support us throughout the grant implementation process. Teachers are excited about the new possibilities that technology integration brings to the classroom. The students will benefit the greatest because the use of authentic learning will help them thrive in the real world.

DEER CREEK INTERMEDIATE SCHOOL	
Quantity	Description
90	iPads
3	Lock & Charge Carts
45	Apple TV's

DEWEY MIDDLE SCHOOL

Our school's vision is "To provide all students the opportunity to utilize multiple technological resources within a small personalized environment in an effort to experience self-directed learning and become autonomous learners. Teachers and students will use technology to collaborate and attempt to solve real world problems, while focusing on college and career readiness." Our district passed a technology bond issue at 83% and a Technology Integration Coach was hired to support classroom teachers. Stakeholders have attended the K20 ILI Conference and OTA Conferences to research authentic technology practices and visited the K20 Center for a Tech Demo Day to research current technologies to take back to our stakeholders. K20 assisted us to define and create shared values, goals, and a clear vision statement. A team consisting representation of all stakeholders met with the K20 training team, looked at all the data we had compiled and together created a shared vision statement. Our unified stakeholders also collaborated to choose practices #2: Authentic Teaching, Learning, and Assessments as well as #4: Small, Personalized Environments.

Our students and teachers will utilize 253 Chromebooks to work collaboratively to create digital curricula, technology rich authentic lessons, and real world student products. This will help create a more small personalized environment throughout the building. Teachers will use Google Sheets to organize student performance history and student involvement in a shareable document. Students will utilize Google apps to create in all areas of our curriculum. English students will use "WeVideo" and "Google Slides" for digital storytelling. Social studies students will collaborate using "Google Maps" and "MyHisto" to prepare presentations. The math department will use "Floorplanner" and "Desmos Graphing Calculator" to enhance project based lesson plans. Science classes will set a foundation for the school by starting digital science notebooks that will evolve into a digital portfolio that each student will update throughout their school career. These devices will enable our teachers and students to broaden their learning by providing new opportunities for collaboration, shared decision making, problem solving and critical thinking.

We are extremely fortunate to have excellent support in our school, our district, and our community. Structures have been developed to ensure the expertise and opinions of all stakeholders are considered. There is a Professional Development Team, Faculty Advisory Team, District Technology Team, K20 Grant Tech Team, and other committees that include students, teachers, parents, administrators, board members, business owners, and other community members. Our community has shown strong support by passing the bond, contributing corporate expertise, and giving time and money in assisting our site in many ways to better our infrastructure and technology foundation.

DEWEY MIDDLE SCHOOL	
Quantity	Description
253	Chromebooks & OS Management Console

ELK CITY PIONEER ELEMENTARY SCHOOL

When I Grow Up, I Wanna Be. . .?

Based on the ever changing industry in our community and feedback from parents, students and patrons, it is our vision to create a space for students to not only learn about but also explore career choices. The focus of this grant will be to create a technology rich STEM lab that ties curriculum to career choices through play, authentic lessons, explorations and community involvement. Maker Education will drive student learning, ownership and engagement through the integration of new technological innovations" (Waters & Kessler, 2015) and will focus on creative learning dispositions early, during the brain's most active period of synaptic growth (Garcia, 2014). It is our desire students go beyond the basic visit from the dentist or reading of The Hungry Catepillar to exploring the tools a dentist uses through virtual apps and mimicking the movements of a caterpillar through coding a robotic caterpillar.

Teachers will collaborate with experts in various fields to create authentic lessons that connect curriculum in the classroom to STEAM activities. Teachers will have designated times each week in the lab for students to extend learning beyond the traditional curriculum. A STEM Coordinator will be hired with district funds. During PLC teachers will collaborate and analyze data to determine which activities are meeting ISTE standards and expanding students career opportunities.

Equipment for 2 STEM labs will be purchased with grant funds: iPads to access apps and use with Tiggly and Osmos; Codepillars to teach beginning coding, sequencing, planning, critical thinking and problem solving; Smart Scan Color Chameleon to teach colors and counting; Tiggly bundles to teach number skills, shape recognition and word use; Osmos Explorer bundles to teach computational thinking, coding; Bee Bot sets with lessons for critical thinking and problem solving; video conferencing carts complete with needed equipment to connect with career experts, virtual field trips and classrooms around the world; Beam virtual play systems for virtual reality learning and play; and Chromebooks for learning center exploration and research

The Board of Education and Superintendent did not hesitate to commit $4000 for the 10% match from the general budget to pay for teacher release time. Our IT department will support the implementation of the grant from beginning to end by getting equipment quotes, preparing equipment, maintaining equipment, and providing day-to-day training. The building principal and learning team will create a rotation schedule for usage. This person along with lead teachers will develop curriculum with PLC teams and provide mentoring as new resources, techniques, and lessons are implemented. The principal and district professional development coordinator will work with the K20 Center team to provided needed training and will also continue to look for outside experts to train teachers and provided them with resources.

ELK CITY PIONEER ELEMENTARY SCHOOL	
Quantity	Description
30	Ipads & Bumper covers
25	Chromebooks with licensing
2	Charging carts
10	OSMO Explorer Bundle
5	Code-a-pillar & Color Chameleon Smart Scan
6	Bee Bots & lessons
12	Tiggly Sets (Words, Math, Shapes)
1	ProBot 6 pack with Route Maps, and Guard Mats

GROVE UPPER ELEMENTARY SCHOOL

Our school has been working toward the vision that students will use technology to foster their curiosity and further their knowledge in science, technology, engineering, art, and math to become more college, career, and globally ready. Through this grant opportunity we would be able to make technology more readily available to our students and educators. This grant opportunity would also make it possible to better train and encourage our educators in the use of new technologies in their classrooms. Most importantly we believe that this grant can help spark meaningful collaboration between educators and students.

We envision a school in which educators and students collaborate through the use of STEAM carts.We are requesting a STEAM cart for each grade level at our site. Each cart will be equipped with a classroom set of chromebooks and differing technologies for each grade, depending on the skill level. For example the fourth grade cart will be filled with Makey Makey kits and Elenco Snap Circuit kits. The Makey Makey kits will encourage creativity and the students will have fun investigating all the different ways to make technological connections. These will connect directly to the Chromebooks we are also requesting. The Snap Circuit kits are a more advanced version of creativity, where students will attach electronic circuits to build hundreds of different light and sound projects.Through this technology we can bring STEAM to our school in full force, giving our students the inspiration and edge that they need to succeed in a world where technology is ever changing and ever present.

With the support of our administration, educators, local education foundation and community members the groundwork has been laid to foster a community of support for this grant opportunity. Our biggest stakeholders are our students, our future. We plan to introduce our new technology with a student-led STEAM night. This educational night will help coach parents and community members on the basics of STEAM and its vitality to student learning. We believe this will foster support and engagement from parents as well as community members, bringing about a full partnership towards our common goals. Through STEAM technology, we can ensure our students, educators and our community are partners in the vision for the future of our school.

GROVE UPPER ELEMENTARY SCHOOL	
Quantity	Description
100	Lenova Chromebooks
1	SPRK Power Pack
3	YES carts
3	STEAM carts
4	Lego EV3 Mindstorm Core Sets
15	Makey Makey
1	Ozobot Classroom Set
1	Little Bits Workshop Set

HAWORTH HIGH SCHOOL

Our high school has increased technology capabilities by improving the infrastructure, increasing Bandwidth, adding Smartboards, and at least one computer and/or iPad to classrooms. Shared values, based on data-driven decisions, research, meetings, and shared leadership between staff and administration, improvements have impacted student learning. Teachers are enthusiastic about shared leadership and authentic teaching methods. Lack of parent involvement is an issue and needs to be addressed. Although integration of technologies and staff development have improved authentic instruction and learning, we are still not meeting our goals. Families are low income and education may not be first priority at home. Student success is prevalent, not only for mastering assessments but also in developing life skills, including research, technology, math, and communication. Several new teachers are not equipped with technology skills nor have received staff development for authentic teaching. Our shared values are based on stakeholders' support to incorporate technologies in the classrooms and a commitment to prepare students for college, careers, and life - with knowledge of basic skills needed for success beyond school.

Students are ready to advance to the next level: to excel in academics with in-class device access where they can enter a world of knowledge, literally at their finger-tips. Our stakeholders share support to integrate 170 Chomebooks, with a management system that make at least 8 class sets to be housed in core-curricular classes of math, science, language arts, and social studies to create students' real-world connections. Most apps are free and materials will be purchased to build mobile charging carts for students' daily access to the Chromebooks. Due to past experiences with multi-device management and no in-house expertise available, an installation and management system will be purchased to include a one-time fee with continuous maintenance service. The school will match 10% for staff release time and/or equipment.

This proposal is based on systemic support from the stakeholders (PLC). Our plan to incorporate technologies in to the classrooms is prompted by data-driven decisions based on measurable student assessments, EDIT, teacher observation/collaboration, needs assessments, PLC meetings, TIPS and school surveys and state standards. We use research-based lessons and programs that help determine student needs and measurable growth. Goals are set to increase academic achievement for all students, including the bottom 25% of each grade level to also guarantee their academic success experiences. Through technologies and authentic lessons, we want to inspire students to do their best and to become life-long learners. Our top three practices chosen by stakeholders for this grant are: Practice 1: Shared Values; Practice 2: Authentic Teaching (70% of surveys showed this to be priority); and Practice 3: Shared Leadership.

HAWORTH HIGH SCHOOL	
Quantity	Description
170	Lenova Chromebooks & OS Management Console

MACOMB ELEMENTARY SCHOOL

The 155 students in our elementary school (Pre-K – 6th grade) come from rural, high poverty homes. Every student qualifies for a free breakfast and lunch. A range of students, from 56% to 100%, score below proficient on the Oklahoma Core Curriculum Tests. The Learning Team has identified obstacles and action plans to engage students in the learning process through the following practices: 1: Shared Vision, 2: Authentic Teaching, Learning and Assessment, 3: Shared Leadership & Decision-Making. Goals have been established to measure progress. OETT GOAL 1: Increase student interest, engagement, and academic achievement across content areas through authentic lessons aligned to Oklahoma Academic Standards and ISTE NETS-S. OETT GOAL 2: Increase opportunities for teachers to collaborate and learn together to fully integrate technology into authentic teaching, learning, and assessment. OETT GOAL 3: Increase opportunities to connect with parents to provide at-home support for daily instruction. Action Plans include: 1) Implement student technology (iPads and Chromebooks); 2) Provide monthly K20 Center Training; 3) Provide weekly "Late-Start Thursdays" for PLC meetings and professional development; 4) Provide staff release time for practicing skills.

Our elementary school has one class of students per grade level. OETT funds will provide 10 iPads per classroom, creating an approximate 2-to-1 ratio of students to iPad in grades PreK – 5th grade. Each teacher will have funding available to purchase iPad apps. The 6th grade students will have 1-to-1 learning with Chromebooks (Cart of 25) to prepare them for Junior High School where students use Chromebooks. Students will use iPads, Chromebooks, and digital tools for individual, student pairs, and student group projects. Students will create sight word and vocabulary word books, word walls, Wordles (word clouds); utilize virtual tours to provide connections to the world beyond the classroom; create eBooks; and create digital presentations (i.e., using tools such as PicCollage, Book Creator, Animoto, Sketch, Prezi, and Chrome apps and extensions). Students will engage in digital citizenship lessons and increase computational thinking, logical reasoning, and self-correction skills through STEM Tools (Osmo, Blue-Bots, and Dash & Dot Robots).

This OETT grant provides critical funding for elementary student technology. The technology director and her assistant will maintain OETT technology and assist teachers with technology issues. The WiFi will be maintained to ensure positive student learning experiences with devices. The district will sustain weekly, 95 minute PLC meetings for coordination and collaboration among staff. Annually, federal and local funds will be coordinated to sustain modern student devices in the classroom. The district will provide a $4,000 match to the OETT grant to support staff release time.

MACOMB ELEMENTARY SCHOOL	
Quantity	Description
7	iPad 2 (10 pack) and cases
Assorted	STEM Learning Tools: Tiggly; OSMO Explorer & Pizza kits; Coding Jam & Blue Bots
30	Chromebooks & management console
20	Headphones for Chromebooks & Ipads (5 pack)
1	Luxor 30 Tables Charging Station

MOORE HIGHLAND WEST JUNIOR HIGH

Junior High…awkward, fun, busy, and challenging. Walk through the doors of our suburban junior high of 553 students and you will notice all of these emotions. Junior high is full of new and exciting experiences but, can also be full of angst and fears. During this transition time of our students' lives, our staff works to ensure that our students are prepared to meet the challenges of the 21st century. We are a high poverty school and with that comes unique challenges that interfere with the traditional learning environment. In order to overcome the obstacles that poverty can place in front of a child, our staff works daily to provide experiences that enable our students to look at any problem with vigor and enthusiasm. Our project goal is to gain the technology necessary to engage our students in the curriculum at a deeper level. Most of our students do not have access to technology at home. We want to provide them access to the technology through meaningful and authentic lessons to achieve our school vision: Empowering students to close the equity gap through innovative instruction.

Our school is requesting funding to purchase the equipment to create a mobile technology center. This lab will include iPads, Chromebooks, Parrot Drones, and Spheros. Teachers will be able to dive into the curriculum in a manner that is currently not possible in our school. Our current technology is simply not enough to provide our students the ability to collaborate on projects that require them to think critically about the long term impact of the curriculum. Our school does not have access to iPads, by purchasing a set of iPads, students will be able to take the information they learned and create projects on the subject. The projects will be displayed on a large television in our common area. Teachers are excited about the potential that they see with the students working collaboratively. Our students crave interactive lessons that give them hands on experiences. By building a mobile technology center in our school we hope to encourage our students to interact on a level that requires them to dive into the curriculum.

Providing an excellent education and creating global citizens is the most important job we have as educators. We strive to empower our students to become the best individual they can be through innovative instruction. Our stakeholders agree that providing authentic instruction to our students gives them the best possible chance to succeed. Our current system allows for communication and collaboration between staff, professional development, district level support staff, and an administration that supports our endeavor to provide meaningful instruction. Authentic instruction with technology is part of a positive learning environment and we would like to be leaders in this area. We will lead our district in this area of instruction by teaching others the enhancement that technology can provide.

MOORE HIGHLAND WEST JUNIOR HIGH	
Quantity	Description
15	iPad Mini 4, Cases, Stylus & Apple Care
39	Dell Latitude 3189
5	Lock & Charge Stations (55 devices)
1	Sphero SPRK & STEAM
2	Parrot Drone BEBOP
1	Green Screen for iPad Innovative Learning Lab

MOORE NORTHMOOR ELEMENTARY SCHOOL

The goal of our project is to create a paradigm shift in our school from limited technology use to more authentic, student driven technology integration. We want to shift our use of computers and iPads from a device to practice and assess skills to a tool for innovative learning. To accomplish this goal, we need iPads in the hands of students and professional development to deepen our faculty's knowledge of both practical uses of tablets and more creative project-based activities that this technology provides. Students will enjoy the benefit of playing an active role in their learning, thus supporting research that shows a correlation between student use of technology and future academic success. In addition, students will showcase their work in the classroom, at school assemblies, and evening events attended by community members and other professionals.

The funding received from the OETT grant will enable students to play an active role in their learning, critically analyze and create media messages, and connect to the world outside the classroom. In order to enhance and improve the already existing authentic learning practices in our building, we will purchase 75 iPads, nineteen Apple TVs, and various project based apps. Student led projects will be introduced at the kindergarten level and will become more challenging as the Oklahoma Academic Standards become more complex. Independent and collaborative student projects with iPads will include puppet shows, digital stories, eBooks, and multi-media presentations. The Apple TVs will allow students to share their products with their classmates as well as community members. Implementing technology in this manner will encourage student collaboration, attentiveness, and comprehension.

We are very fortunate to have the support of teachers in the building, Instructional Technology department, parents, administration and school board. After collecting TIPS data, it is clear our teachers are eager to attend professional development training and invest in the time necessary to support our students as they collaborate and explore new authentic learning practices. Our parents expressed a positive attitude toward the benefits of technology use when surveyed in the early stages of our grant writing and will partner with teachers and assist their children with projects when necessary. We have communicated with the Instructional Technology department on several occasions and have received affirmations concerning both technical and professional support that will be necessary if awarded the OETT grant. It was clear that our district administration supported our pursuit of this grant since they were the ones who encouraged us to apply. Finally, the school board has shown support of technology use, including the pursuit of this grant as evidenced by the continual pursuit of technology advances for all students in our district.

MOORE NORTHMOOR ELEMENTARY SCHOOL	
Quantity	Description
7	iPad 2 (10 pack) with Apple Care
1	iPad Air 2 with Apple Care
71	Airwave Drop Protective Cases
15	Apple TV with HDMI cables

NEWCASTLE EARLY CHILDHOOD SCHOOL

The purpose of this project is to pursue school improvement, measured by student performance, student achievement, and teacher collaboration. We will use the following three practices of high achieving schools as a tool to accomplish our purpose:

1. Shared Vision, Common Purpose, Shared Goals
2. Authentic Teaching, Learning and Assessment
3. Teacher Collaborate and Learn Together

Technology will be utilized to provide shared experiences and enhance communication among all stakeholders. Improvements will be evident in teaching and learning practices, an enhanced curriculum, equity among our classrooms and classroom teachers, and improved technology proficiency for both students and teachers.

Technology is a critical piece of our desire and commitment to continue our focus on continuous improvement, as measured by student performance, student achievement, and teacher collaboration. Components of this process addressed through technology include:

1. Provide equitable access to technology throughout the building.
2. Address curriculum discrepancies through technology integration and utilization.
3. Improve student achievement using technology to provide immediate feedback.
4. Evaluate skill and knowledge acquisition to facilitate time and concept sensitive re-teaching.
5. Allow for enhanced collaboration, goal setting, and peer supported learning.

Substantial stakeholder support is demonstrated by:

1. Community-passage of substantial bond issue with funds earmarked for technology support, much of which will support the technology infrastructure.
2. Administration-Commitment to provide substantial matching funds to the OK ACTS grant to impact EVERY classroom, EVERY teacher, and EVERY student, rather than selected classrooms. This makes the OETT professional development immediately relevant to all teachers, a critical component of creating a true community of learners.
3. Teachers- Commitment to school improvement by selecting and implementing practices, professional development to integrate technology, and the development of action plans.
4. Students- Motivation and desire to engage in authentic learning facilitated by technology.

NEWCASTLE EARLY EDUCATION CENTER	
Quantity	Description
130	Ipads with Zuludesk full package License & Apple Apps

NORTH ROCK CREEK MIDDLE SCHOOL

1) Project Summary: This Transforming Learning Project focuses on 182 6th – 8th students and 12 teachers. In FY2016, the network infrastructure was upgraded to eliminate bandwidth bottleneck issues. In order for these updates to transform learning, teachers need technology and best practices professional development, and students need access to mobile devices. The Middle School Leadership Team identified three practices to further our mission of preparing students for success by educating the whole child as a life-long, digital learner. Those practices are: 1) Shared Vision; 2) Authentic Teaching, Learning & Assessment; and 3) Teachers Collaborate & Learn Together. To overcome obstacles and to increase student academic achievement in critical areas, action plans include purchasing Chromebooks Carts for student use, creating a Makerspace with iPads and maker tools, providing monthly K20 Center training to create effective PLCs, providing staff release time, providing whole-staff attendance at the 2017 K20 Innovative Learning Institute, and coordinating funds to impact student learning.

To measure project success, SMART goals have been established. GOAL 1: The percentage of teachers who frequently or regularly encourage students to use technology for authentic teaching, learning, and assessment will increase by 20%. GOAL 2: Students will increase each area of the 4C's by 10%. GOAL 3: The number of students proficient in math and reading will increase by 5%. GOAL 4: The number of students proficient in science will increase by 8%.

2) Technology and Its Use: The OETT grant will create Chromebook Carts (25 devices) for 6th – 8th English, a shared Chromebook Cart (25 devices), and a Makerspace with 30 iPads and tools (Makey Makey, littleBits, Arduino, 3D printers, LEGO League EV3 Robot Sets). Students will use Google Drive & Classroom (collaboration and assessment) and Chrome Apps and Extensions for collaborative learning, presentations (PowToon, Prezi, Slides), videos (Magisto, WeVideo), etc. Students will use Makey Makey to create instruments/controllers; littleBits to invent security devices and contraptions; Arduino to code projects; LEGO EV3 Robot Set to design and program robots; and 3D Printers to engage in a Speedy Architect Project challenge building 3D connectors and a Cryptography project building decoder rings.

3) Systemic Support: The MS Leadership Team will receive train-the-trainer professional development from the K20 Center to sustain grant efforts. Teachers will continue to have 20 minutes of common time for PLCs each day and monthly meetings for the whole staff to collaborate to integrate technology into instruction. The superintendent will annually allocate funding to hire substitutes to provide staff release time. The technology coordinator will support OETT technology implementation and resolve technology issues. Funds will be coordinated to sustain efforts of the grant beyond the initial funding year.

NORTH ROCK CREEK MIDDLE SCHOOL	
Quantity	Description
86	Lenova Chromebooks & Management Licenses
2	30 Tablet Charging Stations
30	iPad Air 2s & Protective Cases
10	Makey Makey Classic
20	MakerBots
3	littleBits STEAM Education Class Packets & Coding Kits
4	First LEGO League Robot Set

PUTNAM CITY JAMES L. DENNIS ELEMENTARY

Our school plans to use grant funding for the purchase of iPads to support innovative learning for our students and increase student achievement. Our school goals are Shared Vision, Authentic Teaching, Learning and Assessment and Teacher Collaboration and Learning Together. These goals will support existing school and district initiatives, to obtain and place technology in the hands of all students. The additional iPads will support and enhance our current MakerSpace and will improve student academic achievement. Our timeline for implementation is the 2017-18 school year beginning in August 2017.

During the spring of 2016 teachers from our school and our administrator began to think outside the box, becoming interested in the MakerSpace movement. A MakerSpace is a designated area that promotes creativity, engineering and design, enhancing learning through play and experimentation. They are cross-disciplinary, with elements of problem-solving, coding, art, science and craftsmanship through tools and materials that encourage students to create rather than consume. MakerSpaces utilize STEM based principles that teach creativity, communication, and cooperation among students. We held a district "MakerSpace Grand Opening" in October inviting School Board Members, district level administrators, our superintendent, State Math and Science Coordinators, PTO, district technology staff and the bank members who supported our vision.

However, we realized that to incorporate true integration of technology and authentic learning, more iPads would be needed to support our school and district goals, furthering technology innovation in our classrooms. We have taken small steps toward our goal of reaching out to our community, but look forward to what this grant would provide in technology and training for our teachers, students, and community. Our major goal is to purchase additional iPads to create a 1:1 ratio for students in grades 3-5, and create a 1:2 iPad ratio for students in PreK-2. Additional iPads will be dedicated to the MakerSpace and will support student learning of digital programming and development of logical thinking. iPads would support flexible student grouping, STEM project based learning and instructional differentiation in the regular classrooms. We strive to implement early intervention and fully integrate learning opportunities with STEM as we make iPads available to our Early Childhood, PE, Art and Music programs. Technology would be seamless as students move throughout our entire school.

Our school is supported by our district technology department, district administration, local stakeholders, parents, teachers and students who have also been involved in this grant process. Our vision is to be known as a school that prepares our students for the future by equipping them with the tools and skills necessary to meet a variety of academic and real-world challenges.

PUTNAM CITY JAMES L. DENNIS ELEMENTARY SCHOOL	
Quantity	Description
12	iPad & Cases (10 pack) & cases
8	iPad & cases

PUTNAM CITY WESTERN OAKS ELEMENTARY

Our "Create to Comprehend" initiative is the culmination of years of professional development, research, and collaboration among our staff. It will allow our students to soar toward their goals as we prepare them to be self-navigating critical thinkers for life. We are honored to serve an urban, highly mobile, diverse population of 687 students from pre-kindergarten through fifth grade. Our students face a variety of challenges in their lives including poverty, language barriers, and lack of educational opportunities. This OETT grant will open up a world of possibilities for our students by providing new technology resources that allow new ways to interact with literature.

The creation of classroom recording studios and a video recording lab will engage our students in ways they have never experienced. Students will record, evaluate, and improve their reading with the use of iPads and directional microphones. These tools allow students to take greater ownership of their learning and develop skills that will benefit them throughout their lives. Once students have perfected their selected text, they will have a myriad of options to choose from to produce multimedia projects they can share with classmates, families, and the community. The video recording lab will be another resource available to our school. Students can write scripts to share daily announcements, social skills, and convey information they've learned in exciting ways. These productions will broadcast throughout the school, allowing more communication and collaboration across grade levels. Volunteer community members will contribute to our media library by recording stories to be enjoyed by students and families. The multimedia presentations created in the recording lab, by community partners, and on iPads will be loaded onto mp4 players for student check out. This extends learning beyond the school day and into homes where parents are not able or available to assist their child.

Our district has great structures in place to support technology and authentic learning opportunities for students and teachers. Through their support, we created a STEM lab, robotics curriculum, computer lab, and successfully implemented iPads into some of our classrooms. Community support has made many of these advances possible through the passing of several bond issues. With professional development made available through this grant and our district technology staff, we are excited to expand our teaching abilities and provide our students with innovative learning experiences.

Our staff members have dedicated their lives to investing in the future of our students and helping them meet their literacy goals. Fluent reading has become more critical than ever with increased educational rigor and the need for close reading. Our "Create to Comprehend" initiative allows all of our students to rise to the occasion and meet their full reading potential.

PUTNAM CITY JAMES L. DENNIS ELEMENTARY SCHOOL	
Quantity	Description
98	7" Amazon Fire Tablets & Cases
7	iPads & Cases
9	Ipads (10 pack) & Cases
Assorted	Production Studio equipment: microphones (73); tripods (3); studio lighting kits (2)

PERKINS-TRYON ELEMENTARY SCHOOL

Our rural elementary school serves 429 students in prekindergarten (PreK) through second grade. We have 27 faculty members who are passionate about teaching and eager to learn ways to help every child reach their highest potential. The Learning Team has collected stakeholder input for the three selected practices: 1) Shared Vision; 2) Authentic Teaching, Learning and Assessment; 3) Teachers Collaborate and Learn Together. The following goals have been determined based on our school's evidence, obstacles, and action plans for the three practices: Goal 1: Increase student authentic learning opportunities through technology-integrated instruction. Goal 2: Increase professional development opportunities to embed technology into authentic teaching, learning, and assessment. Action plans to accomplish our goals include increasing student access to mobile devices; monthly K20 training to further develop Professional Learning Communities (PLCs), create grade-level STEAM Coaches; enhance instruction through lessons aligned to Oklahoma Academic Standards and ISTE NETS-S; staff release time for training and grade-level PLCs; STEAM coaching, mentoring, modeling, and co-teaching with the library media specialist; and an annual STEAM Night to engage parents and the community through student showcases.

OETT funds will purchase five iPad carts (20 per cart; one per each grade level), iPad apps, Tiggly, Osmo, Bee-Bots, and Blue-Bots. Students will use iPads during center work to reinforce essential skills. Students will use Tiggly and Osmo for whole group, small group, and individual instruction experiencing numbers, letters, shapes, tangrams, coding, and art in a multi-modal, hands-on, interactive approach to learning. Students will create eBooks through Book Creator and use Adobe Voice and ChatterPix for digital presentations. Students will use coding tiles to sequence moves for the Bee-Bot and will use iPads to code Blue-Bots to destinations. Students (PreK-2nd grade) will use Chromebooks for literacy activities (EBSCOhost, webquests, and Google tools).

Our school will sustain grade-level Professional Learning Communities and volunteer STEAM Coaches. As systemic support for technology, the district will maintain iPads and Chromebooks, the wireless infrastructure, and technology support calls to assist teachers with technology integration. We will continue to utilize the Technology Center for ongoing technology training. The principal will continue to coordinate local, state, and federal funding to improve student technology and provide teachers with training opportunities.

PERKINS-TRYON ELEMENTARY SCHOOL	
Quantity	Description
10	iPads (10 pack) and cases
Assorted	STEM Learning Tools: 15 Blue Bots, 4 Bee Bots, 16 card mats
4	OSMO Classroom Kit

QUAPAW MIDDLE SCHOOL

Our building project is to improve students' ability to think and learn by bringing our teaching strategies into the 21st century. The three practices we have chosen to focus on are "Shared Vision, Common Purpose and Shared Goals"; "Authentic Teaching", Learning and Assessment and Concern for "Equity". As a staff, we would like to improve as instructors in the areas of staff collaboration and communication, authentic teaching and technological equity for our students. Through our newly created vision we have begun to communicate more effectively and to have a clearer focus of what we want to work toward as a school. We have already begun training to learn strategies for incorporating authentic learning in our classrooms. We plan to incorporate opportunities for students to collaborate with one another and create works that will be shared with other students, teachers, parents and community members. We have a vision for all of our students to have access to the type of technologies that will allow them to gain skills that will give them greater chances of 21st century success.

Our plan is to provide training for our staff that will allow us to incorporate technology as an enhancement to the authentic learning experiences we are already implementing in our current teaching practices. Our plan is to purchase a chrome book for each student in our middle school to use at school each day in every class and in every subject area. Our teachers have chosen apps that they believe will enhance teaching and student learning. We planned a collaborative school wide learning project that was executed last spring and presented to the community; it was such a great success we have planned another for this spring. With greater access to technology the students could have more focused and relevant learning experiences. More equitable access to technology could bring 21st century skills to these types of learning experiences.

Teachers will continue to receive support for communication and training through a Leadership Team that is currently active as well as through PLCs that currently meet. Teachers will also be trained to use technology to communicate with one another, students and parents in more effective ways through the use of Google. This past fall the superintendent completed upgrades in our current networking infrastructure that will be necessary to support the number of new devices. Students will receive support through a program we plan to implement allowing older students to teach the younger students how to use and care for the Chrome books we intend to purchase with the grant funds.

QUAPAW MIDDLE SCHOOL	
Quantity	Description
147	Lenova Chromebooks & Management Console

STUART ELEMENTARY SCHOOL

Our technology committee, which includes students, parents, teachers, support staff and community members, chose to focus on: Concern for Equity; Shared Values, Common Goals and Shared Purpose; and Authentic Teaching, Learning and Assessment. With 75% of the school in a low-socioeconomic situation (per free and reduced lunches), they have little to no technology at home. This makes it difficult to provide authentic learning situations at school and prepare them for global and digital citizenship if they don't have regular access. With this in mind that we established our vision: We will be collaborative, engaged critical thinkers, who problem solve in a constantly changing world through the use of technology with authentic instruction & learning.

The technology in our building is lacking. We have computer labs, but they are stationary and teachers have to change rooms, leaving behind classroom supplies/materials, in order to use them and must schedule time in order to provide all teachers with at least some time in the labs. In order to offer more equity, authenticity in instruction and learning, we are seeking 80 iPad Minis. These will go directly to classrooms where 1st-4th grade will be at a 1:1 ratio. In addition, we are asking for a Mac Book Pro for the maintenance and configuration of the iPads. PreK and Kindergarten will receive 5 per class as well as the current iPads on hand. In the 5th-8th grades student will be on a 1:1 with Chrome Books, with some designated for students needing intensive remediation. Our districts technology director is serving on our building committee and fully supports our request.

We have not requested storage as we are beginning the process of passing another bond issue. Our district has historically had great success in the past 30 years passing every bond put forth to date. While the majority of this current proposal is for much needed transportation and building maintenance/construction, some has been added for the purchase of locking/charging cabinets for the grant devices, as well as screen protectors for the ipads. The PTO has committed to getting protective cases for the iPads as well.

STUART ELEMENTNARY SCHOOL	
Quantity	Description
6	Ipads (10 pack)
99	HP Chromebooks

VALLIANT MIDDLE SCHOOL

Our school's vision for technology is: "To provide superior educational opportunities through the efficient and innovative use of technology, make authentic learning a main component of our learning regime, and work collaboratively with other students and content experts to maximize our academic, emotional, and social development." To reach this vision our students must be able to access technology, and our teachers must have the tools and training to have students ready for the world today. We had a very low percentage of students that regularly use technology to produce class presentations. Our teachers, parents, and students were given a technology survey, and the overwhelming percentages, from both parents and students, feel that technology in the classroom is vital.

Through the use of authentic learning, our school strives to provide superior education for our students. Hands-on cross curriculum projects, interactive smartboard lessons, and many other authentic learning assignments, as well as access to content experts throughout the cyber world would be made possible through the OETT grant. Projects ranging from students creating timelines using historical data to writing and illustrating children's books with the aid of iPad apps, would put the student on the forefront of authentic learning. Being awarded the OETT grant would allow our classrooms more opportunities for authentic learning to take place.

VALLIANT MIDDLE SCHOOL	
Quantity	Description
11	Ipads (10 pack)
11	STM Dux for iPad (10 pack)
1	LockNCharge cart