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Group 7

514 Summer '16

Duquesne University

Pennsylvania Department of Education

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF EDUCATION
333 MARKET STREET
HARRISBURG, PA 17126-0333

Educational Technology Plan
Monday, June 20, 2016

Entity: District Seven School District
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Acknowledgements

We would like to thank Duquesne University for providing our district with materials and references in creating this technology plan. We would like to especially acknowledge Dr. David Carbonara for his guidance through creating this document. Lastly, we would like to thank Mississippi State University instructor Dr. Larry Anderson as the creator of the Technology Plan Guidebook.

Executive Summary

This plan will be enacted July 1, 2016 and cover a three-year period of time through June 30, 2019. The task force inventoried and evaluated what the district currently had as available resources and compiled a list of items that they felt would help provide advancement towards those goals. Analysis was completed based on demographics and grants were pursued to help with the immediate and future acquisition of specific items based on the needs of the students, per grade and building levels. Budgets were carefully crafted with advancement over the three-year period taken into consideration.

District Seven School District attests that all students are learners and need to be challenged in order to succeed. All faculty and staff are prepared to adhere to that goal through the utilization of the parameters set forth in this plan. We will offer professional development, provide new staff, and procure cutting edge technology for all students to have access to, in all buildings throughout the district. Our most important goal with regards to academic achievement is quite ambitious; however, we strongly believe that it is attainable through a focused effort and strong community involvement. Keeping our students on pace with the technology-driven world they are being educated in is of the utmost importance to this task force and the district as a whole.

Vision Statement

The vision of the District Seven School District is to be a high-performing district that inspires creativity, critical thinking, innovation, and collaboration every day for our community of diverse learners. In the next three years, our school will enhance teachers' use of technology as an effective instructional tool by providing comprehensive staff development to all teaching staff, support staff in the schools and technology tools to the students in order to both differentiate and excel instruction.

Our Shared Values

We believe that…

- All individuals want to learn and all individuals can learn.

- Each individual has a unique blend of abilities and talents, that when acknowledged, nurtured, and challenged, promote the realization of the individual's fullest potential.

- Community involvement is crucial in helping to develop the whole child and promote a culture of collaboration in the community at large.
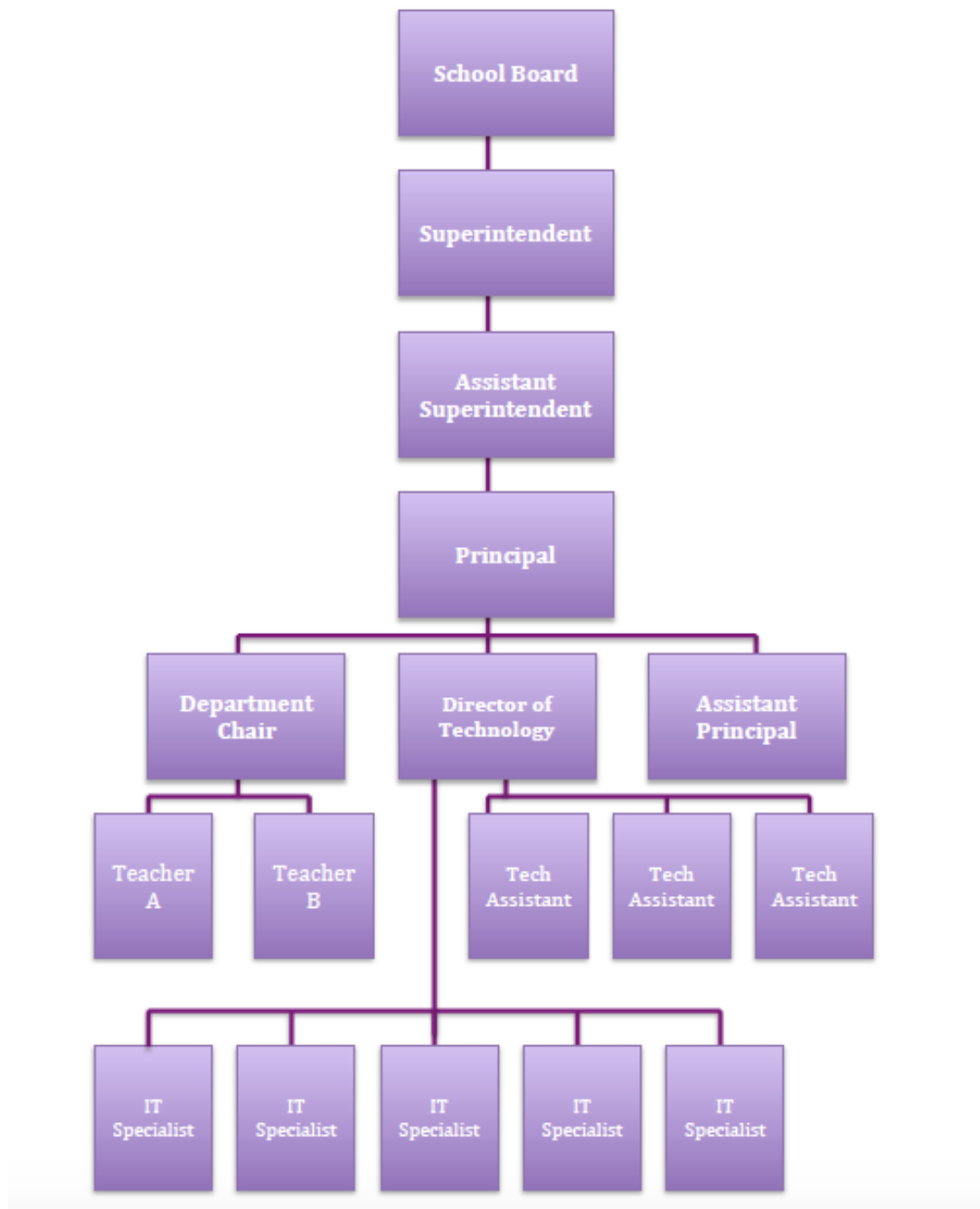
Mission Statement

District Seven School District develops students with the whole person in mind, reaches every learner and prepares our 21st century learners for excellence in the ever-evolving future.

Demographics

The District Seven School District offers a public school education program from grades K-12 with the purpose of meeting the needs of all students. The district is located in Pittsburgh, PA and services 1,300 students. The district is comprised of two elementary schools, one middle school, and one high school. The student population is diverse with a steady enrollment each year. The percent of students receiving free and reduced lunch is under 25%. There are 5 different languages spoken within the district. The District Seven School District employs 115 professional teachers, 9 administrators, and 87 other staff members including (paraprofessionals, aides, technology specialist, technology integrator, cafeteria aids, and janitorial staff members).

About 81% of the student population are identified as Caucasian. About 1.7% are Hispanic, 1.2% Asian, 14.3% African American, and about 1.2% are Multiracial. There is an equal percentage of males and females at the school district. The median age for residents is 40.1 years.

In the county there are 36.9% people with a Bachelor's Degree, about 92% of people are employed, people typically have two cars per household. General accreditation/degree levels of teachers: About 36.9% of people have a Bachelor's Degree. All teachers are required to have a Bachelor's Degree in Education prior to their application to the district. The average household income in this area is $42,312. Less than 95 of the school districts in the state have enrollment below 1250. Enrollment projection is set to decrease to 374 by 2019. The enrollment per building distribution is about 674 elementary students, about 345 middle school students, and about 400 high school students.

Committee Membership

```
                         School Board
                              |
                        Superintendent
                              |
                          Assistant
                        Superintendent
                              |
                          Principal
          _____
         |                    |                    |
     Department          Director of           Assistant
       Chair             Technology            Principal
      ___|___         _____|_____
     |       |       |         |          |
  Teacher Teacher   Tech      Tech       Tech
    A       B     Assistant Assistant Assistant

   _____|_____
  |       |       |        |        |
  IT      IT      IT       IT       IT
Specialist Specialist Specialist Specialist Specialist
```

See Appendix A, B, and C for the job descriptions:

- Appendix A – Director of Technology
- Appendix B – Instructional Technology Specialist
- Appendix C – Technology Assistant

General Introduction

The District Seven School District has two elementary schools, one middle school, and a high school. There are roughly 1,300 students enrolled and 115 teachers employed by the district. The teacher to student ratio is 11:1. There are 9 administrators, and 87 other staff members. We have a school board that meets on the first Monday of each month at 7:00 pm in the library. Voting usually occurs at the meetings, discussions, and general presentations are held. Topics discussed include: administrative reports, finance, personnel/new hires, student services, policies, and open discussions.

Our district has many short term and long term goals. Teachers are required to attend professional development trainings for the next three years, this is connected to a long term goal of developing effective technology skills and implementing them into the classroom. A short term goal would be to hire a new Technology Specialist for our committee, increase technology support staff in the district by also hiring Instructional Technology Specialists, and Director of Technology and network support staff which will help service our buildings on a weekly basis. The district has created a plan to address improving test scores, specifically in reading and math, through the utilization of support staff and differentiated tools to identify and address areas of learning deficiencies by a measurable 5% academic achievement increase per year. The district staff will work on writing specific grants for obtaining different support systems for the curriculum. The purpose of the schools in this community are to recognize the shared responsibility of educators, students, and families in the community and to provide a challenging educational program for all the students in a safe and nurturing environment; which will help students become productive, ethical, and responsible future citizens of the community.

Data Collection, Analysis and Reporting

Data Collection

In order for the curriculum leaders to plan appropriate professional development activities, the teachers will complete a survey at the beginning of each school year. The survey will primarily address areas of strength and weakness with technology. The professional development activities will be geared toward improving teachers' weaknesses with technology. The teachers will also complete a survey immediately following the professional development activities. This survey will allow the teacher to identify the effectiveness of the activity. In addition to teachers, the students will be asked to complete 4 surveys throughout the course of the school year. The student surveys will focus on how technology has improved or not improved their learning of course content. All of the surveys will be completed through the website, Survey Monkey.

In addition to surveys, the principals will collect data. The principals will require teachers to identify technology usage in their lesson plans. The principal will assemble data based on how often teachers use technology in a week. This data will be created into a chart to demonstrate growth, as the teachers complete more professional development trainings. The principal will also focus on technology integration when completing teacher observations and identify whether her or she felt that the technology enhanced students' ability to understand the course content.

Analysis

The data collected from the surveys and principals will be analyzed by the Technology Committee. The Technology Committee will decide if there was an increase in student

achievement with the new initiatives. The committee will create graphs and tables to clearly display the data collected.

Reporting

The Technology Committee will report the data collected to the School Board. The reporting of data will be clear and concise and only address the items which are of interest to the board members. The data is collected to determine if the technology initiative increased student achievement and therefore should continue to receive funding from the school board.

Plan Preparations

Goal 1 – Professional Development

Teachers will attend two professional development trainings every month during the school year

for the next three years. The first training will focus on developing technology skills and the

other training will focus on implementing those skills in the classroom. Teachers will be

responsible for informally evaluating these trainings at the conclusion of the school year in order

to help the Curriculum Director make adjustments for the following year -with regards to

presenters and quality of material being presented. Teachers can request new topics of interest to

be covered if available.

Goal 2 – Technology Support Staff

We will increase the technology support staff in our district by hiring an Instructional

Technology Specialist, an Informational Technology Director, and additional network support

staff to serve in each of our buildings on a weekly basis. Over the course of the next three years

these new staff members will evaluate the current practices throughout the district and

brainstorm ideas to make technology integration and technology education more innovative and

efficient.

Goal 3 – Student Academic Performance

We will work to improve overall student performance K-12 in reading and math, through

utilization of support staff and differentiated tools used to identify and address areas of learning

deficiency. We will strive to increase performance by a measurable 5% academic achievement

increase per year over the next three years. The technology support staff will work closely with

the teachers and the Curriculum Director to determine, on a per grade per building basis, whether

or not adjustments need to be made with regards to student progression towards this goal.

Critical Issues

a. Public Relations

In order to progress as a high-performing district it is important to stay connected with the specialty programs that set our schools apart from others. Each year our district holds events and relies on outside contributors to make our mission, vision, and goals possible. The community is one target audience we rely on for continuous support, like donating to our Annual Fund. The district provides an online giving website which allows donors to provide various contributions. Each of the schools in the district also hold yearly fundraising events to keep connected with the community, friends, and families of the District Seven School District.

Our school district includes a National School Lunch Program that is a federally assisted meal program for kids from low-economic-families. No student in our district goes without food, for any reason during the course of the school year. There is an ESL (English as a Second Language) program for students who don't speak English as their native language. The district also has a gifted education program that addresses the learning needs of students who display gifted and talented characteristics. The gifted education program provides emphasis on developing higher order thinking skills, such as analysis, synthesis, application, and evaluation. There are support services for disabled students which provides an equal opportunity to learn and participate in all aspects of the school experience.

We rely on media sources such as our district's website and its unique design to keep our students and their families up-to-date with the latest news and activities taking place within the District Seven School District. Facebook alumni groups and international group pages have been created to keep those audiences involved with the news and the events taking place in our

community. The high school also has its own television station, a school newspaper and yearbook.

Our message to the families, businesses, and community of the District Seven School District is to keep the mission, vision, and goals of our district in mind to help the district to fulfill our strategic plan and to attend school and community events. Please feel free to visit our district web page, Facebook, Instagram, and Twitter accounts for more school-related information. The media used in the district is very cost effective, as many parents, teachers, students, use it to stay up to date on all of the districts news and special events. Some teachers even utilize media for classroom projects.

b. **Equipment**

Yearly Initiatives

Technology Initiative Timeline	Year One Initiative	Year Two Initiative	Year Three Initiative
Elementary School	-Two iPad carts (30 iPads on each) $2,466.74 $11,970 -All rooms will be wireless $ 79.99 adapter $100 for 300-foot cable	-Every classroom teacher will receive a laptop and SMARTboard (projector) $100,000 for 100 laptops $107,475 for 25 SMARTboards -Every classroom will receive a document camera $8,925 for 25 ELMO document cameras	-Elementary STEAM lab -1 3D printer for computer lab $6,499.00 for MakerBot Replicator Z18
Middle School	-STEAM Lab	-Two computer labs with 20 iMacs $80,000	-All rooms will be wireless $79.99 $100 for 300-foot cable -Two iPad carts (30 iPads on each) $2,466.74 $11,970 -One 3D printer for computer lab $6,499.00 for MakerBot Replicator

High School	-Robotics Lab	-One 3D printer for computer lab $6,499.00 for MakerBot Replicator	-STEAM lab -Two additional 3D printers $12,998 for two MakerBot Replicator

Three Year Timeline

Phase I (Beginning of first year)	Phase II (First Year)	Phase III (Second Year)	Phase IV (Third Year)	Phase V (Future 7 Years)
Materials arrive at Board of Education	In the first year, teachers will have students design monthly projects based on ELA and Math standards	In the second year, teachers will have students design monthly projects based on ELA and Math standards	In the third year, teachers will have students design monthly project based on ELA and Math standards	Technology team will look at results from the past three years and make adjustments to continue project for the next 7 years
Technology team will design a robot and illustrate this example to teachers in a professional development in the summer	Teachers will hand out surveys to convey how students feel about the projects	Based on the surveys of the past year, teachers and technology team members will formulate lessons to engage and maintain inquiry-based learning	Based on data, and surveys from the past two years, technology team members will devise new ways to implement inquiry-based learning	Teachers will use children from middle school and high school to mentor projects
Teachers will receive materials for the beginning of the year of the first year of	The district will hold its first Robotics Fair	A Robotics Fair will be created based on the positive	A Robotics Fair will be created based on positive reviews from the	Robotics clubs will be created

implementation		outcomes of the first year's fair	previous fair	
Technology team will conduct monthly professional developments throughout the next three years	Parents will be given a meeting after school twice a year to inform about the project	Parents will be given a meeting at the beginning of the year at the Open House	Parents help the project through after-school initiatives	After-school component will happen once there is interest in robotics
	Principals will look at data along with the technology team to see if test scores are improving	Principals, teachers and technology team will look at data to determine ways to better implement	Principals, teachers and technology team determine what way the project needs to go to ensure success	Leadership team in the elementary/middle/high school will formulate more ideas for robotics in school

District Needs

Elementary School	Middle School	High School	Technology Team (Board Office)
1 Hummingbird Duo Classroom Kit	4 Hummingbird Duo Classroom Kit	5 Hummingbird Duo Classroom Kit	2 Hummingbird Duo Classroom Kit
1 Hummingbird Duo Premium Kit	1 Hummingbird Duo Premium Kit	1 Hummingbird Duo Premium Kit	1 Hummingbird Duo Premium Kit
1 Hummingbird Duo Controller Kit	1 Hummingbird Duo Controller Kit	1 Hummingbird Duo Controller Kit	1 Hummingbird Duo Controller Kit

Money Table

Hummingbird Duo Classroom Kit	Hummingbird Duo Premium Kit	Hummingbird Duo Controller Kit
12 Kits Needed in the District	**4 Kits Needed in the District**	**4 Kits Needed in the District**
Each Kit is $849.00 **Cost Equals $10,188**	**Each Kit is $269.00** **Cost Equals $1,076**	**Each Kit is $89.00** **Cost Equals $356**
Students Reached: **1 4th grade classroom** **1 5th grade classroom** **1 6th grade classroom** **1 7th grade classroom** **1 8th grade classroom** **1 9th grade classroom** **1 10th grade classroom** **1 11th grade classroom** **1 12th grade classroom**	**Students Reached:** **1 Kit in the Elementary** **1 Kit in the Middle School** **1 Kit in the High School**	**Students Reached:** **1 Kit in the Elementary** **1 Kit in the Middle School** **1 Kit in the High School**

Final cost: $11,620 and shipping is free

c. Implementation

Through the technology initiatives evaluation will be the key to determining whether or not we have met our objectives of increasing student performance in Reading and Math. Our technology integration staff will work closely with our curriculum director to monitor the effectiveness of different applications and program activities. Reports will be provided on a quarterly basis, along with a cumulative end of the year report. These reports will detail and compare content area test scores, program activities, and grades in regards to academic achievement and performance growth. The results will be used to evaluate, modify, and recommend different programs, strategies, and activities to help meet the objectives of student performance. We aim for this to be an open collaboration with all teachers, parents, and students, and all feedback will be taken into consideration.

Through a monthly PLC meeting with staff, the principal at each elementary, middle and high school will look at data scores and see if there are any problems occurring through the acquisition of the project into our district curriculum. The principals will then inform the technology team at the board office if there are any problems or data is showing issues in reading or math increases. At the district level, technology specialists can be deployed for assistance at any of the schools.

In addition to data test scores being evaluated, our district also wants students to challenge themselves to solve real world problems. Through this objective, our district wants to hold a Robotics Fair every year to have students demonstrate their 21st Century learning.

In the end, every year this technology will be evaluated by the technology team at the board office with data results and projects displayed from the annual fair. Looking at the data, the team will decide if more professional development needs to be given to the teachers for the upcoming

year and which topics need to be addressed. Also, the team will evaluate student learning on both

standardized tests as well as projects from the fair. Adjustments and objectives may change

based on what students are learning from the project. If there needs to be more structure, the

team will advise their teachers and principals of the changes. With an overarching supervisory

committee made of the technology team, the district will make sure that the Hummingbird

Robotics Project is performing to its intend, which is to give students the ability to creatively

innovate new and out of the box ideas.

d. New and Emerging Technologies

The District Seven School District acknowledges that there are new and emerging technologies that we are not currently utilizing to their fullest potential such as Web 2.0 technologies. The technologies that are included in Web 2.0 include but are not limited to: streaming media, web portals, blogs, wikis, virtual communities and social networking. These technologies have changed the nature of the Internet and have great potential in changing the way we educate our students. In addition, several technologies have the potential to impact our educational delivery systems such as: mobile technologies, integrated program applications, digital applications and hardware, and use of server virtualization. These new and emerging technologies can be used to support both instruction and curriculum by engaging individual students and promoting differentiated instruction to meet diverse student needs.

The district's Director of Technology will be responsible for identifying potential new technologies by soliciting staff volunteers to attend conferences at the local, state, and national levels sponsored by educational technology organizations including: Three Rivers Educational Technology Conference (TRECT), Pennsylvania Educational Technology Exposition and Conference (PETE&C), and National Educational Computing Conference (NECC). In addition, staff attends content-related conferences, seminars, and classes at the university level; staff also participates in webinar presentations highlighting technology. Our staff is encouraged to review professional publications, listen to technology-related podcasts, use professional social networking sites such as Twitter to develop their Personal Learning Network, and visit websites from ASCD, NAESP, PAESSP, PDK, ISTE, and more. The Director of Technology will also be responsible for reporting on and presenting emerging technology every six months to the district

administration in order to determine if any of the new technology has the potential to help the district achieve its mission, vision, and goals.

e. Professional Development

The teachers will complete a survey on how often they use technology in the classroom. The teachers will also administer a survey to the students assessing the students' interest and understanding in each of their classes. The curriculum leaders will work to examine student-learning outcomes in their grade levels to discover what aspects will be the focus area of increasing student achievement. The departments of primary focus include reading, writing, math, science, social studies, special education, grammar, world languages, and art/music. The professional development trainings will take place for elementary grades K-4, middle school grades 5-8, and high school grades 9-12. We will focus on ways to improve our preexisting curriculum with technology. Since technology is ever-changing we feel it would be best to focus on specific content areas and how teaching can be enhanced with technology to measure success.

After each department identifies specific focus areas, the departments will research effective technology training in their respective grade levels. After the research, the curriculum leaders will submit a written proposal to the technology team for review. The proposal will include the budget for the professional development activity and department goals. The technology team will either approve or deny the request. If the request is denied, the department must reconvene and submit another proposal.

The district will approve one training each month for the three grade levels. All the teachers are required to attend. If the district feels a specific training does not benefit a teacher in a different subject area, the district will provide that teacher with in-house training. In order to

increase student achievement, District Seven School District will provide a monthly full day

professional development activity for the teachers to learn about technology and as well as

implementation. The first part of the day will be lead by a presenter. The second half of the day

the teachers will work with each other in order to practice and plan a lesson implementing the

new technology.

The tentative schedule for implementation of professional development is listed on the next page.

The month of September has been completed to demonstrate how the schedule will look based

on each grade levels focus areas.

Technology Professional Development Schedule				
Month	**Grade Level**	**Subject Area**	**Focus Area**	**Professional Development Training**
September	K-4	Reading	Phonemic Awareness	ABC Mouse
	5-8	Reading	Reading Comprehension	Read Theory
	9-12	Reading	Nonfiction Text Comparison	Compare a Twist App
October	K-4	Writing		
	5-8	Writing		
	9-12	Writing		
November	K-4	Math		
	5-8	Math		
	9-12	Math		
December	K-4	Science		
	5-8	Science		

	9-12	Science		
January	K-4	Social Studies		
	5-8	Social Studies		
	9-12	Social Studies		
February	K-4	Special Education		
	5-8	Special Education		
	9-12	Special Education		
March	K-4	Grammar		
	5-8	Grammar		
	9-12	Grammar		
April	K-4	World Languages		
	5-8	World Languages		
	9-12	World Languages		
May	K-4	Art/Music		
	5-8	Art/Music		
	9-12	Art/Music		

f. Incentives/Reward System

In an effort to promote and motivate staff development of technology skills the District Seven School District has created a system of incentives to reward early adopters and those members of staff who continually pursue advancement of their knowledge and meaningful use of technology in the classroom.

- All staff are expected to attend two professional development activities per month involving technology as part of the Professional Technology Development Goals Project (PTDG); for every five professional development activities addressing technology beyond the monthly expectation, completed in the timeframe of one school year, staff will be awarded an additional personal day. Acceptable professional development activities addressing technology include but are not limited to: taking a class, reading a book and submitting a report to the building principal, attending a workshop/conference, participating in webinars addressing technology, and pursuing additional certifications (i.e. Google certifications, teaching certifications, etc.). The district will pay $100 per day to cover the cost of a substitute teacher for each extra personal day awarded.

- Staff members who complete additional coursework in pursuit of an Instructional Technology Specialist certification or degree will be awarded $2500 to help defray the costs of advanced coursework in technology.

- District Seven Integrators Award: The district would like to recognize teachers who actively utilize technology to support learning in their classrooms. Any administrator

is able to nominate deserving staff members for this award. Award recipients will be recognized by the district in the District Seven School District newsletter, presented with a certificate, and given the opportunity to purchase a new piece of technology under $5000.

- Staff is also encouraged to attend professional development conferences to learn or present technology. The school district will help pay for such conferences up to $1000 per school year per teacher pending administrator's approval.

g. Purchasing

Through the acquisition of the McCarthey Dressman Education Foundation Grant, our district will be able to use $10,000 per year for the next three years to purchase technology related items to enhance student learning throughout our district. We plan to use the funds from year one's allocation for:

- 8 iPads at $299.99 each for 3 school buildings - $7,176 (Elementary and Middle)

- Clicker 7 Literacy software license for 10 elementary library computers - $1,500.00

- Math Media software (High School Math Education Bundle – 24 programs) - $699.00

- Teachers will submit for approval on educational apps for the iPads - $150.00 per school

We will readdress the individual needs per school building at the conclusion of the school year. The funds will be allocated equally to benefit all students in all buildings in a similar way.

h. Community Resources

The district will hold brainstorming sessions once a year with community members to discover resources that can be contributed from the community and its members. Once potential resources have been discovered, the planning committee will include those contributions in the technology plan and/or budget considerations.
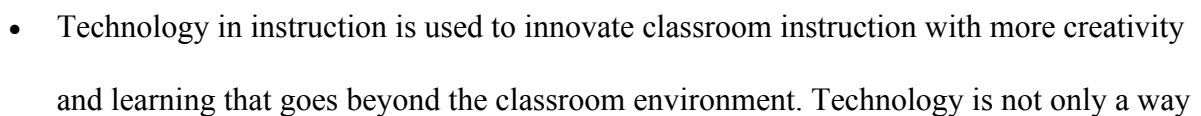
i. Legal Aspects

District Seven School District has created multiple levels of protection with regards to legal aspects. All schools have a separate AUP where it is to be reviewed, signed, and dated by the student and guardians. This legal document provides students with Internet access in order to promote academic excellence, resource sharing, and collaboration. We understand that the Internet also contains inappropriate information and therefore the students could be inadvertently exposed to such information. We understand that we cannot regulate the Internet in its entirety, however we know that if the students and parents understand the policies and rules listed that we can make the Internet as safe as possible to use. For more clarification on the CIPA (Children's Information Protection Act), please visit: https://www.fcc.gov/consumers/guides/childrens-internet-protection-act. It is important for all the teachers to understand the copyright laws of the technology materials that they are presenting to their students. Our district is using the minimum specifications for technology so that we do not lose accreditation.

j. Curriculum, Instruction, Evaluation

Our district's curriculum is designed to provide students with rigorous and relevant experiences and our specific design model is utilized to ensure maximum potential when achieving each lesson's objective or goal. Educators of the District Seven School District acknowledge that the academic content always comes first. The integration of technology will only enhance lessons and achieve better outcomes. Teachers will regularly integrate technology into their lessons. In order to improve the academic achievement, including technological learning, an integrated curriculum will include the following teaching and learning guidelines:

- Students can use social networking, human interaction, and different learning environments in order to construct knowledge

- Staff and students will use the Internet in a safe and appropriate manner

- Technology will be available throughout the district in various classrooms, computer labs, and libraries.

- Students will use technology for creative problem solving

- Staff will have access to curricular materials and resources in order to teach the most constructive and innovative lessons to the students.

- Students will demonstrate and gain knowledge through organizing, analyzing, and evaluating information from different sources.

- Using Bloom's Taxonomy teachers will create their lessons using the most accurate adjectives and verbs to describe the lesson and its objectives. There is also a Bloom's Taxonomy for technology that the teachers are required to implement throughout the district.

http://www.educatorstechnology.com/2013/05/a-new-wonderful-wheel-on-samr-and.html

Student Achievement:

- Technology in instruction is used to innovate classroom instruction with more creativity and learning that goes beyond the classroom environment. Technology is not only a way

of learning, but it is an add-on to learning; more information can be included in the learning by ways of technology.

- It is important to establish global collaborative learning experiences for the students, such as; world cultures, religions, destinations, and news.

- Curriculum that has students' IEPs in mind and also accommodates for students with special needs or ESL (English as a second language) students.

- Curriculum that enhances students' use of digital information and multimedia content to broaden their knowledge.

- A variety of evaluation methods such as: feedback, surveys, and in-person communication.

- Creating opportunities such as virtual classrooms so that students can connect with the teachers and other students anywhere and in real time.

- Utilizing simulation in modeling programs by students learning from tutorials

- Establish immediate feedback in order to improve curriculum and technology integration in teaching.

- Peer interactions occur frequently during the course of learning in order to improve learning and create a collaborative environment for learning to take place.

- Teachers have a clear understanding of Gardner's theory of multiple intelligences and use this visual in order to create lessons to reach all different types of learning preferences.

  http://leoniemathilde.weebly.com/uploads/2/2/7/4/22749974/7383919_orig.png

k. Philosophy

We believe that all individuals want to learn and all individuals can learn; that each individual has a unique blend of abilities and talents, that when acknowledged, nurtured, and challenged, promote the realization of the individual's fullest potential. It is also our belief that community involvement is crucial in helping to develop the whole child (mind, body, and spirit) and promote a culture of collaboration in the community at large. We accept the responsibility of inspiring each of our students to think critically, collaborate and pursue excellence by providing curriculum that both challenges and meets the needs of all learners. We will provide technology tools to the students to both differentiate and excel instruction.

It is our hope that by teaching our students 21st century skills such as creativity, critical thinking, collaboration, and communication that it will help to prepare them for excellence in the ever-evolving future. In addition, we hope that by providing our students with a wide variety of instructional technology tools those students will be able to utilize the technology in innovative and meaningful ways that allow them to grow and deepen their learning. Students will be able to use technology tools in the classroom to excel and differentiate instruction in order to meet the learning needs of all students.

Students will have multiple opportunities to demonstrate their technological aptitude across a multitude of subjects. Technology is fully integrated within our K-12 curriculum in a myriad of ways including, but not limited to,: coding, STEAM initiatives, STEAM and robotics labs, 3D printers for class projects, and iPads for teacher and student use. Students utilize technology in the regular education classroom as well as during their time in technology classes such as Digital Media Literacy. It is our aim to meaningfully integrate technology into all aspects of K-12 curriculum in order to increase authentic engagement in the learning process.

l. Networking

District Seven School District has a band of networks that keep the students, parents, and teachers interconnected. There is an entire array of technological resources for administrators, teachers, and parents. These technological resources includes: email, databases with books, library, and a career center, technical support in school and at home, and software databases. The district has a television station, radio channel with information, community magazine, and district newspaper. There is a vast array of different media resources for parents and other community members to obtain information about their student's/students' school. Teachers attend twice monthly professional development meetings and teacher in-service trainings at the end of each year. Networking is an essential part of the technology plans of our district. There is a school wide alert system that includes, telephone calls, email messages, and TV alerts to all parents of the students that attend the district. Major alerts include two-hour delays, school closings, and emergency weather alerts. Computers in our district are linked with Internet services through Ethernet cables and Wi-Fi. Students and teachers have ID logins to securely log on to every computer available in the district domains, guests are allowed access to the computers through a guest portal that is limited to a 1-hour timeframe. Bulletin boards are available throughout each school with important information posted by teachers, parents, and students of the district.

m. Maintenance

The district's technology department is responsible to for all maintenance for the district's technology devices and software. The district keeps all software up to date in order to ensure the devices work properly. The janitorial staff follows the proper cleaning protocol for all of the

devices. When a device requires maintenance, the teacher fills out a work order form. The technology department will try to provide the teacher with a loaner device until the problem is solved.

Many of our staff members are technologically-minded and can solve simple issues with devices. We realize bigger issues can cost money to the district so, we account 15% of our technology budget to provide for maintenance of our devices. If a device, cannot be fixed the district will decide on a situational basis if a replacement device will be purchased. As for the maintenance of the infrastructure, the district will rely on contract workers to complete the maintenance. The technology department will be responsible for keeping a log and recording all maintenance completed on devices or infrastructure.

n. Special Needs Learners

The needs of gifted students, impaired students, and students with learning disabilities will all be addressed throughout the year by teachers and support staff. Professional development sessions focused on helping students explore new technology resources and how to extend and enrich lessons at all levels of ability will be provided for all staff members during the month of February. Classrooms will be stocked with all necessary equipment needed for a wide variety of impaired learners, such as oversized computer monitors, adaptive keyboards, Braille printers, and auditory enhancers. Clicker 7 Literacy software will be used at different grade levels to assist those students with learning disabilities and/or ESL learners with progressive writing skills. Math Media software will be available for teachers to use for math enrichment or remediation throughout the middle and high school buildings. Through the use of these software programs and professional development workshops, we believe that we can achieve our goal of

increasing proficiency in reading and math with our special needs learners at the same rate as our entire student population across the district.

o. Security

Data

Security is a primary concern for our district. We will strive to be proactive when it comes to the security of our devices. The District Seven School District will use Avast for business security. Avast is a free cloud-based security system. It allows for several managers to control and monitor the computers from a distance.

Personnel

Personnel security is very important to our district. All of our staff will have their own username and password to connect to our domain. The staff will be monitored to make sure they are not giving out personal information or using the Internet inappropriately. They will be regularly reminded to report any suspicious activity to the IT department.

Facilities

All of the classrooms with technology will be securely locked. Teachers will be instructed to always keep doors locked when out of their classrooms. The doors in every building will automatically lock when closed. The district will regularly log technology equipment and report any missing equipment immediately to the IT department.

p. Community Involvement

The District Seven School District believes that community involvement is crucial in helping to develop the whole child (mind, body, and spirit) and promote a culture of collaboration within the community at large. The district seeks to create an engaging and collaborative relationship with all community members by meeting once a year to brainstorm ways of involving more community members and utilizing their skills and resources to help our district to grow and excel in preparing our students for an ever-evolving future. The district has several events planned for the coming school year including a technology presentation for the community that will inform community members how education has changed and show how technology plays a positive and engaging role in transforming the learning of our students.

After the presentation, a discussion will take place so that community members can learn more about how the district is utilizing technology to promote our mission, vision, and goals. Each building in our district will also host a Family Technology Night where families can come and see what types of technology their students use throughout the school day and learn more about these tools. The District Seven School District also seeks to further engage community members through such projects as: inviting community members to speak in classrooms, STEAM summer camps where community members can volunteer their time and expertise, Family Game Night, school fundraising events that involve the community, Math and Science Night, Career Day, and other future opportunities to involve the surrounding community in our school district.

q. Funding

Over the course of the next three years, it is our goal to gather community involvement to support our efforts in academic advancement for our district. We hope to solicit monetary and/or product donations from businesses in the community to help us acquire more technology for the classrooms and the study centers. We aim to hold a technology or IDEA fair once a year as a fundraiser to get parents into the schools to see the innovative projects that the students are creating. We will also continue to look for additional grants to aid our efforts in helping our students reach their fullest potential. We will treat every dollar attained as a priceless investment in our students' futures and will do everything in our power to make sure that each dollar spent makes an impact on their technology proficiency.

r. Fine Arts

The development of our students, with regards to all aspects of the fine arts, is a top priority in our district. Teachers and support staff will have professional development workshops pertaining to the area of fine arts available to them in the month of May. Students will have the opportunity to access a plethora of multimedia programs:

- Noteflight – students can compose and create their own original music

- Tinkercad – students can create 3D objects that can be printed with a 3D printer

- SketchUp 3D – architectural software for 3D renderings of student art work

- Tynker – students can learn to code and program

- 3DS Max – students can create stop motion animation films

- Virtual tours – students can visit places all over the world from their computer

These are just a few of the programs that teachers have been using to enhance or extend their lessons. Technology integrators work with the Curriculum Director on a regular basis to discuss new and innovative programs on the market and how their implementation would impact our students. Teachers are welcome to do their own research on programs that they would like to use in their classrooms and present their findings for review to the technology support staff. We believe that by diversifying learning to support individual learning needs/styles for different students, all students will reap the benefits.

s. Support

The district's staff will receive lots of support as they work to integrate technology. The technology assistants will be in each building weekly. The teachers will be able to address any troubleshooting issues with the assistants. Additionally, each school will have at least one Instructional Technology Specialist who will provide support to teachers on a daily basis. Regular trainings will be held after school with the Instructional Technology Specialists. Teachers will be encouraged to attend trainings based on incentives expressed in the Incentives and Rewards section. The district's goal is to ensure that technology integration flows as seamlessly as possible.

t. Lifelong Learners

District Seven School District provides opportunities for its graduates and alumni to make contributions to give back and stay involved in the educational services that the district provides. The Board of Continuing Education provides weekend classes for adults in courses on parenting, appropriate Internet use/ information on how to keep your child protected, and other topics that the parents and guardians of District Seven wish to learn about. The community takes pride in its

pursuit of continuing education in hopes of serving as an example to the students in the district of the importance of being a lifelong learner.

u. Facilities

1. Location

There will be a technology room located in each building. In this room will be the server and switch for that building. The technology room will also have extra wiring (VGA, ethernet, etc). From this room there will be category 6 network drops for a wireless network. The Informational Technology Director's office will be located in the administration building. The IT Director will be present in each buildings only on a needed basis. However, the technology assistants will visit each building weekly in order to provide troubleshooting support to staff.

2. Buildings

Every building will have an upgraded infrastructure which allows for fast connection for both wired and wireless internet. The structure of the buildings are equipped to handle the new technology.

3. Rooms

Every classroom will be arranged to learn through technology. There will be plenty of outlets for the students and teachers to use as charging areas. The rooms will each be equipped with a category 6 network plug as well as wireless access. The teachers will use surge protectors to ensure safety for the users and the buildings.

4. Wiring Codes

All wiring and electrical work will be done professionally and be up to Pennsylvania Code

Standards. The buildings are no older than twenty years therefore they are able to handle the

additional power of our equipment. The fuse boxes are up-to-date and able to withstand an

increase in power. All electrical work will be code compliant. The work being completed will be

done by a certified electrician.

5. Data Lines

All classrooms are equipped with category 6 network plugs. These plugs will be used to connect

a router to each classroom to provide high speed wireless Internet access.

6. Security

The school will use AVAST! anti-virus software on all computers. The software will be

managed by the Director of Technology and the assistants. The district devices will be part of a

domain in order to provide better security. Additionally, the Director of Technology will

establish strong control settings on the Internet that will be updated on a weekly basis.

7. Furniture

The furniture will be set up to be most conducive to the learning environment. The wiring will all

be hidden through drop ceilings and cable management channels. There will be no exposed

wiring. The classrooms will have an ideal area for computer and technology use. The teachers

can arrange their classrooms around that area. The furniture will all be moveable to allow the

teacher to creatively arrange his/her classroom to promote student achievement.

8. Fire Codes

The district will make it a priority to ensure fire safety in all buildings. The students will have

fire drills once a month to practice proper evacuation procedure. Additionally, fire extinguishers

and fire alarms will be inspected regularly. The fire sprinkler system will be inspected annually.

The district will ensure that any new electrical additions will maintain code compliance.

9. Panic Buttons

There will be panic buttons accessible in all buildings. The panic buttons will immediately

connect to the District Seven Police who will quickly respond to the calls. The panic buttons are

only to be used in cases of emergency. If used improperly, the user will be responsible for all

fines. The panic buttons will be tested on a monthly basis to ensure proper function.

v. Other Critical Issues

Obsolescence

We will plan to evaluate the state of our physical technology every two years to ensure that our

students are using current hardware and software programs. Our Technology Specialist will

work with building administrators to determine what actions need to be taken for removal and

replacement of outdated technology equipment on a per building basis. We will search for trade-

in programs that will allow for some recoupment of the initial cost of products being

eliminated. Consideration for removal will be made based on amount of time left unused, operational ability, if the hardware can accept current updates, and if the products may be repurposed in any way.

Environmental Issues

We will plan to be respectful and responsible with regards to environmental issues relating to technology. Teachers will model and students will learn the proper procedures for recycling e-waste, including batteries, computers, printing materials, etc. A task force will be assembled, and members will provide information to all faculty and staff within the district about collection dates and procedures. Collections will take place semi-annually; before Christmas break and at the end of the school year. Members of the task force will be responsible for taking an inventory of items turned in and for procurement of any available rebates that the district may be able to take advantage of for items being collected.

Access and Equity

We will plan to make every accommodation in our power to ensure that all of our students have access to the most current and cutting edge technology available. All buildings will have comparable items based on the needs of the students. Teachers will periodically research new and emerging technology products and procedures to share with their colleagues at internal professional development meetings. Teachers will reserve technology resources when needed so that computers, etc. will be available to all students when not in use for a specific project.

Ergonomics

We will plan to provide ergonomically appropriate accommodations for technology use in all buildings with regards to age/grade of the students. Students will have different needs and those needs will be addressed with different physical spaces. This will include, but is not be limited to, charging stations for laptops so technology can be portable for convenience, individual desks, tables for collaborative brainstorming, adjustable chairs, high tables for standing work (at high school level), exercise ball chairs, etc. Teachers will have the opportunity to request additional resources if they feel students would benefit from a different product. Adequate research will be collected and presented by the teacher to a panel of staff members, chosen at random, for approval for eventual recommendation to purchasing agents.

Standards

We plan to strictly adhere to the standards set forth by PDE with regards to technology education. Teachers will integrate technology whenever possible and provide detailed lesson plans with specific standards addressed. Classroom teachers will work with computer teachers, media specialists, and technology specialists to ensure that a comprehensive curriculum is being met through the lessons being taught in all classes at all grade levels.

Communication

We will plan to make communication a top priority throughout our district with regards to technology. Every staff member will have a school-issued email address that will be listed on the school district's website. Students will receive their own school-issued email address, by the computer teacher, while in 3rd grade. Throughout their 3rd grade year, they will learn proper

Internet usage, appropriate email etiquette, dangers of cyberbullying, checking for trusted sites, what to do if your device appears to have a virus, etc. We will utilize technology for district communication as well with Blackboard Connect. Blackboard Connect will provide us with the ability to send out mass phone calls, emails, and text messages about important events that happen within the district, such as inclement weather announcements, bus delays, or catastrophic events. We can also use this system to alert families of negative lunch balances.

Evaluation

The District Seven School District will evaluate the effectiveness of this Educational Technology plan using three methods: surveys, assessment data, and annual reviews of the plan. The Director of Technology will identify the performance measures for the various goals, strategies, and activities in this plan in collaboration with the Strategic Planning Committee and the staff of the Central Office.

Assessment data will be gathered by:

- Collecting statistics on usage of both software and web-based applications by students and staff

- Collecting statistics from both applications and web-based programs used by parents as provided by the school district

- Reviewing curriculum guides of all subjects to determine the degree to which technology has been integrated into courses of study

- Administering assessments to students on digital media literacy skills

- Administering assessments to staff on digital media literacy skills and instructional technology skills

- Administering electronic surveys to students, staff, and parents regarding technology usage and attitudes toward technology use

After a thorough review of the assessment data, the Informational Technology Director and administrators, the technology department, and the Strategic Planning Committee will determine the following:

- Goals, strategies, and activities that have been achieved

- Goals, strategies, and activities that are progressing--identifying any needed adjustments to be made and implementing them

- Goals, strategies, and activities that are not being achieved at this time

    o Identify whether or not to continue pursuing them

    o Identify any adjustments that may need to made

- Recommendations for the next phase of the Educational Technology plan

As part of this evaluation process, it is expected that the Informational Technology Director will prepare a brief annual report to the stakeholders that will include the following:

- An overview of the assessment results

- Progress made in the various goals, strategies, and activities

- Identification of positive outcomes in the plan

- Recommendations as to what needs to be accomplished in the plan

- A grade given to how well the goals, strategies, and activities are being achieved

Budget

For a more detailed budget plan, please reference Appendix D.

Yearly Budget Summary	
Year 1 Budget	$958,619.00
Year 2 Budget	$808,574.00
Year 3 Budget	$566,688.44
Total Technology Plan Budget	$2,333,881.44

References

University, G. S. (1996). *Guidebook for Developing an Effective Instructional Technology Plan*.

Starkville: Mississippi State University.

Glossary

1. *Acceptable Use Policy (AUP)* - A policy that a user must agree to follow in order to be provided with access to a network, intranet, or to the Internet.

2. *Adaptive Learning* - Is the use of technology to assist students in overcoming barriers to learning, to provide access to materials and a consistent level of quality to users.

3. *Adequate Yearly Progress (AYP)* - The measure by which schools, districts, and states are held accountable for student performance under Title I of the No Child Left Behind (NCLB) Act of 2001.

4. *Children Information Protection Act (CIPA)* - A law that mandates certain Internet safety policy and filtering requirements for recipients of E-rate Program discounts for services that include schools and libraries blocking Internet access for both minors and adults to certain visual depictions.

5. *Classroll* - A completely online, standards-based classroom management solution that includes a gradebook, curriculum and lesson Planner.

6. *Collaborative Tools* – Devices or software applications which make it easier for groups of individuals to work more productively.

7. *Digital Literacy* - The ability to effectively navigate, evaluate, and create information using a range of digital technologies.

8. *Distance Learning* - Education involving text based material together with audio-visual

curricular content transmitted via the internet.

9. *Ergonomic* - The applied science of equipment designed for the workplace or schools to minimize physical effort and discomfort, and maximize productivity by reducing operator fatigue.

10. *Flipped Classroom* - A learning strategy in which direct instruction is provided online outside of the classroom while homework is completed in the classroom.

11. *Hacking* - The act of gaining unlawful entry into a computer or network for the purpose of accessing data, stealing information, identity theft or to crash a computer.

12. *Interactive White Board* – A large screen type display that connects a computer and a projector allowing the user to interact with the information displayed on the screen/board. Also called SMART boards.

13. *Intranet* - Network of computers belonging to a school accessible only by the employees, or other authorized users. It is protected by firewalls and other security measures from outside intrusion.

Appendices

Appendix A

Director of Technology Position (1 Opening)

Position Summary

The Director of Technology is a creative leader that develops and implements a strategic vision in all areas of technology for the district. The Director will facilitate the integration of digital tools and best practices into curriculum and administrative systems. As a hands-on implementer, the Director engages with administrators, educators, and support personnel, parents and students to extend responsible and creative use of technology.

Qualifications

➢ Advanced degree in Technology or related field preferred.
➢ Teaching license in any area from K-12
➢ Experience working with technology during career
➢ Experience with a range of software, hardware, and operations systems

Knowledge, Skills and Abilities

➢ Knowledge of project management and effective use in career
➢ Broad knowledge if industry standards and best practices in the use of technology in schools, including International Society of Technology in Education National Technology Standards (ISTE NETS)
➢ Proven track record of thinking big, managing multiple priorities, working with ambiguity, and delegating.
➢ Proven track record of integrating technology into a classroom setting

Duties

➢ Develop and implement a strategic vision for the use of technology in the district in both academic and infrastructural systems
➢ Support the carrying out of the District's strategic plan
➢ Maintain knowledge of and communicate current research findings and forecasts related to the effective use of technology in the school's educational program
➢ Provide current, cutting-edge information to support decision-making on academic and administrative technology matters
➢ Ensure that all educators have access to the appropriate tools for 21st century learning

Salary and Benefits

The Director will make a salary of $72,000 with a competitive benefits package.

Appendix B

Technology Specialist Position (5 Openings)

P**osition Summary**

The Technology Specialist supports devices and platforms to allow for student achievement in a K-12 classroom. The Technology Specialist provides staff development and instructional support to all staff.

Qualifications

➢ Master's degree preferred
➢ Has experience working with instructional technology
➢ Previous experience as a computer technician preferred

Knowledge, Skills and Abilities

➢ Troubleshoot basic computer problems
➢ Install hardware and software systems
➢ Maintain or repair equipment
➢ Troubleshoot a variety of computer issues
➢ Demonstrate enthusiasm for the use of technology in the classroom
➢ Demonstrate excellent human relations and interpersonal skills
➢ Demonstrate the ability to quickly acquire new knowledge regarding technology

Duties

➢ Assists the Technology Department with help desk requests
➢ Collaborates in the evaluation, selection, and implementation of instructional technology materials and software.
➢ Assigned to a school in the district to help with computer support
➢ Performs duties assigned
➢ Reports to Director of Technology

Salary and Benefits

The Technology Specialist position will make a starting salary of $45,000 with a competitive benefits package.

Appendix C

Technology Assistant Position (3 Openings)

Position Summary

The Technology Assistant supports the Technology Specialist in the school district. The Technology Assistant helps support computer issues and hardware issues with staff.

Qualifications

- Associates degree or bachelor's degree in computer science preferred
- Experience working with computers
- Previous experience working with computers needed

Knowledge, Skills and Abilities

- Troubleshoot a variety of computer problems
- Troubleshoot basic computer problems, replace hard drives, mother boards, and projector bulbs
- Maintain and repair equipment
- Demonstrate excellent human relations and interpersonal skills
- Demonstrate the ability to quickly acquire new knowledge regarding technology

Duties

- Assists in helpdesk requests
- Reports to Instructional Technology Specialist
- Performs duties assigned

Salary and Benefits

The Technology Assistant will make a starting salary of $30,000 with a competitive benefits package.

Appendix D

District Seven School District Budget 2016-2017

Materials 2016-2017

Materials	Price	Quantity	Total Cost
Computer Desks	$241.57	150	$36,235.50
Computer Chairs	$58.00	150	$8,700.00
Copy Machine	$4,234.42	4	$16,937.68
Printers	$341.00	4	$1,364.00
Routers	$150.00	50	$7,500.00
Servers	$2,143.00	40	$85,720.00
Proxy Server	$400.00	4	$1,600.00
Modems	$253.34	4	$1,013.36
SMART Boards	$3,253.00	50	$162,650.00
Projectors	$800.00	50	$40,000.00
Microsoft Office Suite	$100.00	250	$25,000.00
Desktop Computers	$399.00	10	$3,990.00
iPads	$399.00	84	$33,516.00
Clicker 7 Literacy Software	$1,500.00	1	$1,500.00
Math Media Software	$699.00	1	$699.00
Educational App Fund	$150.00	4	$600.00
iPad Carts	$2,466.74	2	$4,933.48
iPad Adapter	$79.99	2	$159.98
iPad Cable	$100.00	2	$200.00
STEAM Lab	$15,000.00	1	$15,000.00
Robotics Lab	$18,000.00	1	$18,000.00
		Total Cost of Materials	**$465,319.00**

Personnel 2016-2017

Job Description	Salary	Benefits Cost	Total Cost
Instructional Technology Specialist A	$45,000.00	$9,000.00	$54,000.00
Instructional Technology Specialist B	$45,000.00	$9,000.00	$54,000.00
Instructional Technology Specialist C	$45,000.00	$9,000.00	$54,000.00
Instructional Technology Specialist D	$45,000.00	$9,000.00	$54,000.00
Instructional Technology Specialist E	$45,000.00	$9,000.00	$54,000.00
Director of Technology	$72,000.00	$18,000.00	$90,000.00
Technology Assistant A	$30,000.00	$7,500.00	$37,500.00
Technology Assistant B	$30,000.00	$7,500.00	$37,500.00
Technology Assistant C	$30,000.00	$7,500.00	$37,500.00
		Total Cost of Personnel	**$472,500.00**

Additional Expenses 2016-2017

Project	Price	Quantity	Total Cost
Professional Development Trainings	$1,200.00	9	$10,800.00
Additional Technology Certificate Award	$1,000.00	2	$2,000.00
District Seven Integrators Award	$5,000.00	1	$5,000.00
Award for Professional Development Training	$1,000.00	2	$2,000.00
Extra Personal Day	$100.00	10	$1,000.00
		Total Cost of Expenses	**$20,800.00**

Total Cost of Year 1	$958,619.00
Total Cost of Year 2	$808,574.00
Total Cost of Year 3	$566,688.44
Final Budget	**$2,333,881.44**

District Seven School District Budget 2017-2018

Materials 2017-2018

Materials	Price	Quanity	Total Cost
Laptops	$1,000.00	100	$100,000.00
ELMO Document Cameras	$357.00	25	$8,925.00
iMac Computers	$4,000.00	20	$80,000.00
3D Printer	$6,499.00	1	$6,499.00
SMART Boards	$4,299.00	25	$107,475.00
iPads	$399.00	24	$9,576.00
Clicker 7 Literacy Software	$1,500.00	1	$1,500.00
Math Media Software	$699.00	1	$699.00
Educational App Fund	$150.00	4	$600.00

	Total Cost of Materials	$315,274.00

Personnel 2017-2018

Job Description	Salary	Benefits Cost	Total Cost
Instructional Technology Specialist	$45,000.00	$9,000.00	$54,000.00
Instructional Technology Specialist	$45,000.00	$9,000.00	$54,000.00
Instructional Technology Specialist	$45,000.00	$9,000.00	$54,000.00
Instructional Technology Specialist	$45,000.00	$9,000.00	$54,000.00
Instructional Technology Specialist	$45,000.00	$9,000.00	$54,000.00
Director of Technology	$72,000.00	$18,000.00	$90,000.00
Technology Assistant A	$30,000.00	$7,500.00	$37,500.00
Technology Assistant B	$30,000.00	$7,500.00	$37,500.00
Technology Assistant C	$30,000.00	$7,500.00	$37,500.00

	Total Cost of Personnel	$472,500.00

Additional Expense 2017-2018

Project	Price	Quanity	Total Cost
Professional Development Training	$1,200.00	9	$10,800.00
Additional Technology Certificate	$1,000.00	2	$2,000.00
District Seven Integrators Award	$5,000.00	1	$5,000.00
Award for Professional Developme	$1,000.00	2	$2,000.00
Extra Personal Day	$100.00	10	$1,000.00

	Total Cost of Expenses	$20,800.00

Total Cost of Year 2	$808,574.00

District Seven School District Budget 2018-2019

Materials 2018-2019

Materials	Price	Quanity	Total Cost
Wireless Adapter	$79.99	4	$319.96
Cables (300 feet)	$100.00	4	$400.00
iPad Cart	$2,466.74	2	$4,933.48
3D Printer	$6,499.00	4	$25,996.00
STEAM Lab	$15,000.00	1	$15,000.00
iPads	$399.00	60	$23,940.00
Clicker 7 Literacy Software	$1,500.00	1	$1,500.00
Math Media Software	$699.00	1	$699.00
Educational App Fund	$150.00	4	$600.00

Total Cost of Materials	**$73,388.44**

Personnel 2018-2019

Job Description	Salary	Benefits Cost	Total Cost	
Instructional Technology Specialist A	$45,000.00	$9,000.00		$54,000.00
Instructional Technology Specialist B	$45,000.00	$9,000.00		$54,000.00
Instructional Technology Specialist C	$45,000.00	$9,000.00		$54,000.00
Instructional Technology Specialist D	$45,000.00	$9,000.00		$54,000.00
Instructional Technology Specialist E	$45,000.00	$9,000.00		$54,000.00
Director of Technology	$72,000.00	$18,000.00		$90,000.00
Technology Assistant A	$30,000.00	$7,500.00		$37,500.00
Technology Assistant B	$30,000.00	$7,500.00		$37,500.00
Technology Assistant C	$30,000.00	$7,500.00		$37,500.00

Total Cost of Personnel	**$472,500.00**

Additional Expenses 2018-2019

Project	Price	Quanitity	Total Cost	
Professional Development Trainings	$1,200.00	9		$10,800.00
Additional Technology Certificate Av	$1,000.00	2		$2,000.00
District Seven Integrators Award	$5,000.00	1		$5,000.00
Award for Professional Development	$1,000.00	2		$2,000.00
Extra Personal Day	$100.00	10		$1,000.00

Total Cost of Expenses	**$20,800.00**

Total Cost of Year 3	**$566,688.44**

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