



Grant Application Samples

Enclosed

- High School (WeatherBug Station)
- Junior High School (Compassion Cards)
- Elementary (News Network)
- Grant Rubric

See website for grant highlights

www.TedFound.org

Tantasqua/ Union 61 WeatherBug Station

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The project that we are proposing is the purchase and implementation of a “WeatherBug” weather station for Tantasqua Regional High School. The system would be a fully functional, professional weather tracking and surveillance system that would be linked and utilized by the largest automated weather station network in the world. It would provide an opportunity for students and faculty to become scientific contributors (as opposed to passive consumers) to a modern weather relay system. This is a prospect that speaks directly to the district mission statement but which has no other vehicle to begin implementation.

Enhances and improves science courses

The implementation model we are hoping to realize would be as follows: The funding is approved and our district’s own WeatherBug station is brought online and into the data stream for the world. This station is then monitored daily by our science department students and faculty advisors. To facilitate experimental learning and to explore the scientific method, the harvested data will be utilized in science courses such as, Applications in Science, Conservation, Environmental Studies, Biology, Chemistry, Introduction to Physics and Physics.

Promotes collaboration between many departments

The launch of this program would be set to coincide with the coming school year, and the term of the project would be indefinite, as its data is not only immediately utilized but also maintained by the network upon installation. The longer the program runs the greater the amount of statistical information collected. A long term collection of local data becomes more useful for extrapolation models and experimental processing within our classrooms. The WeatherBug has the capacity to become an enduring, cross-curricular, hands-on learning program that can be used by the entire Tantasqua/Union 61 district.

Allows for replication in future years at other district schools

The program speaks to a number of potential benefits for our school. Raw statistical data is collected, rather than manufactured, for our high end statistical analysis courses in mathematics. The computer departments will be presented with real time data that can be integrated and maintained within district websites. The sociology classes will gain a vehicle to introduce meaningful discussion of global climate change as a cultural effect. The English and History departments can use the local weather statistics to investigate the literature and policy surrounding international environmental protocols. The media classes can broadcast local weather on WTN. The Science department can utilize the equipment in hands on “laboratory” work that is relevant to our community.

Our WeatherBug Station would also become part of the data collection system used by the National Weather Service and homeland security initiatives know as “The Homeland Security WeatherBug Network.” This network works in conjunction with the agencies and emergency services with greater efficiency and accuracy.

Success of this project will be determined by a number of things. The integration of weather data into our current high school curriculum and the persistence of the program over many years may be the clearest indications of successes. Over time, we hope that the elementary and junior high schools will develop programs focusing on weather and data collection. Community involvement and interest in the weather station would be and additional measure of success.

Assesses in several ways

Tantasqua/Union 61 WeatherBug Station

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This project will impact not only the students of this district but rather the district and state residents as well. The placement of such a system within our community means improved meteorological data for state and local weather reports that impact everyone.

Benefits a large number of students and community

Correlates with state math and science curriculum frameworks found in seperate attachment to application

COMPASSION CARDS

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1. Brief summary of project idea and how Ted. Grant monies can bring the project to fruition.

With the advancement of technology we have found great ways to combine student art, digital photography, and acts of compassion to support “note”-worthy causes. For the past two years we have created art cards and calendars to raise money for nonprofit groups. Last year students voted to sell cards in support of a local shelter for homeless families (see *Peace Cards* appendix A). This year we created calendars and note cards to support a school-wide fundraiser to build a school in Afghanistan (see *Tea Cards* and *Calendars*, appendix B). Next year, with the help of a *Ted. Grant*, we would like to expand our venture into a continuous production of student art on cards and calendars to help raise support for numerous causes.

Shows innovation by expanding creation of students art work and by combining student art and digital photography

Shows leadership in creating new projects

Currently we have the majority of necessary equipment and supplies to proceed with our mission. We have a great computer, equipped with Photoshop and other graphic design software. We have digital cameras to take high quality photos of student art work. We have cardstock paper and photo quality papers to print our cards and calendars on. We are only lacking a high quality color printer that is capable of capturing the excellence of the student work.

The addition of a quality color printer in the art room would

1. produce quality products worthy of patron donations
2. reduce unnecessary use of ink on the school's color printer
3. provide confidence that each job will be completed.

We envision that students will take leadership roles in this project. Students will determine where the money raised from card sales will be donated and also how to best promote card sales. Every art student will have the opportunity to create note cards using digital photos of their art. Since our art themes vary from project to project, students will be encouraged to explore areas within our community that may offer great locations for sales. For example, animal-themed projects might become cards that would be welcome at an animal shelter or a veterinary clinic.

Promotes collaboration between students and community members

Compassion Cards will offer many opportunities for interdisciplinary learning. Some ideas are to have Language students use *Compassion Cards* to send notes to elementary students; ELA students may write notes to elderly community members; Health students may send notes to hospital patients. Students will use math in calculating costs and profits; in graphic design; in estimating numbers of cards required.

2. Outline the educational goals and objectives. (See attached chart)

3. Describe the project's timeline, including start and completion dates. (See attached chart)

4. What are the expected outcomes? (see attached chart)

Compassion Cards

TIMELINE	GOALS	OBJECTIVES	PROJECTED OUTCOMES
<p>September 2009 (1st Semester)</p> <p>AND</p> <p>January 2010 (2nd Semester)</p> <p>COMPLETION: June 2010 (intentions to continue project for years to come)</p>	<p>GOAL 1: To foster respect for good citizenship and to help prepare students to become contributing members of a democratic society (District Goal #3)</p>	<ol style="list-style-type: none"> 1. Identify needs within our community and decide on where proceeds from card sales will be donated. 2. Raise awareness of community needs through posters and speaking engagements 3. Meet with non profit groups and learn through interactions with members 	<p>Students will take ownership of the <i>Compassion Cards</i> project. They will gain confidence in their art skills. They will learn valuable skills in communication (by interactions with non profit groups) and compassion (caring for and helping to support groups in need).</p>
<p>August 2009-June 2010</p>	<p>GOAL 2: To prepare students for their roles in society by ensuring that they can communicate effectively in all disciplines, think critically, and solve problems (District Mission Statement – Bullet 2)</p>	<ol style="list-style-type: none"> 1. enhance students knowledge of technology through digital photography and graphic design 2. support lessons in academic areas through interdisciplinary projects 	<p>Students will photograph their art and the art of classmates and use graphic design to create cards. Students will integrate other disciplines in the business aspect of <i>Compassion Cards</i>. Math will be used in determining the number of cards needed, the cost to create each card, the amount of profit from sales. With theme cards, students will include the disciplines of Social Studies (portraits of historic people), science (science-related paintings), and ELA in projects such as “Illustrated Imagery” (see Appendix B).</p>
<p>November 2009</p>	<p>GOAL 3: To create a means of sustaining this project for many years to come</p>	<ol style="list-style-type: none"> 1. Students will take on leadership roles to develop ideas for fundraising to cover the costs of maintaining the color printer 	<p>Students will host a school dance to raise funds for supplies and service for the new color printer. Dances normally raise \$600-\$800 which will cover the purchase of toner and any service needs for the 2010-1011 school year. The <i>Ted</i>. Grant will give us the start-up supplies for the 2009-2010 school year.</p>

Demonstrates consistency with district goals

Allows for replication in future years

Compassion Cards

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5. How will the project's success be measured?

The success of *Compassion Cards* will be determined based on evaluations given to the nonprofit groups selected. Students will create a final report for each nonprofit group detailing the amount donated and listing where cards were sold to raise the money. Each nonprofit group will be invited to come and speak to art students and share how donations were used. Nonprofit groups will be asked to fill out a simple evaluation report – prepared by students - answering questions regarding Compassion Cards and asking for suggestions for future endeavors.

Assesses success of project

6. Describe the benefits to Tantasqua Regional School students. How many children will be impacted? How will a Ted. Grant help to promote innovation within the classroom and school.

All art students (500-600 each year) will participate in, and benefit from this grant. Students gain self confidence when they see their art work printed on cards and/or calendars. When they find a nonprofit that they are passionate about they will gain a feeling of great worth knowing that they can contribute in a valuable way. The *Ted. Grant* will allow us to complete our technology lab by adding a color printer. This will give us the ability to expand our card/calendar projects and allow for many additional project uses as well. We will cover the cost of toner and service through fundraisers such as dances. This will eliminate the stress on the other printers in the school and allow us to be confident in the completion of our projects. Quality color reproductions are critical to our art program and to the success of *Compassion Cards*.

Benefits many students

News Network

TED GRANT APPLICATION 4/23/2010

Essay:

The vision of this project is to create a (School) News Network that will serve as an inspirational model for future projects involving the innovative use of technology integration with students. The students will be provided with the skills and tools to be successful students of the 21st century. The students will be able to be creative, and out-of-the-box thinkers while still fulfilling the requirements of the state's educational frameworks. The teachers will be able to effectively incorporate technology in the curricula, which will have a direct effect on their teaching methodology and student achievement.

Enhances current teaching; uses a new technique

The project will launch by recruiting student volunteers from each 4th grade class to initiate the production of the (School) News Network (_NN). These students will work collaboratively to plan and design a news broadcast that will be shared with the entire school. Students will brainstorm topics of interest, conduct their own interviews and research, and write their scripts in a storyboard format. Utilizing the technology funded by the grant, along with existing school equipment, students will produce a multimedia newscast for each trimester of the school year. Students will utilize microphones for recordings, green screen for virtual backdrops and special effects, as well as other existing software to create this innovative multimedia project. Initial broadcasts will take place over the school's intranet page (LAN) with a goal for future broadcasts to be shared via the school's website.

Encourages creativity, leadership, and collaboration among students

Two grade 4 classroom teachers and the instructional technology specialist will organize the project. Initial participants will include grade 4 students. The _NN will gather topic ideas, journal entries, encourage new participants, conduct training, and produce the media project. With the support of the facilitating teachers, students will ultimately steer the direction of the _NN and manage each production and will eventually become the student leaders who will reach out to involve other students, classrooms, grades, and teachers during the school day.

Promotes collaboration between teachers (two fourth grade teachers and an instructional technology specialist)

We will begin in the fall of 2010 with an expected one-year startup time. Initially, there will be weekly after school sessions in the computer lab. Additional time (recess) will be scheduled as needed in the classrooms or computer lab. There is no end date as the vision of this project is to continue and to allow for expansion of this project, including students of different grade levels as well as other staff.

Benefits a large number of students (120 initially; +400 over time)

This type of project has not been previously funded by another source. The TED Grant monies will be used to purchase the necessary modern multimedia equipment to support this project and those in the future.

Educational Goals & Objectives:

This is an interdisciplinary project with an emphasis on the composition strand of the Massachusetts English Language Arts Frameworks. While the students are given the opportunity to express themselves creatively with the curricula through technology, they will be addressing the following standards:

News Network

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TED GRANT APPLICATION 4/23/2010

Massachusetts Technology Literacy Standards and Expectations

Technology Standard 3 - Demonstrate the ability to use technology for research, critical thinking, decision-making, communication, collaboration, creativity and innovation.

Demonstrates consistency with school and state expectations

Massachusetts English Language Arts Frameworks

Media Standard 27-Students will design and create coherent media productions (audio, video, television, multimedia, Internet, emerging technologies) with a clear controlling idea, adequate detail, and appropriate consideration of audience, purpose, and medium.

The project will also address the following goals from the School Improvement Plan:

- Goal #2: Teachers will individually or collaboratively develop a focus area in which technology will be integrated into the curriculum and classroom instruction to enhance student achievement.
- Goal #4: To increase meaningful communication between administrators, teachers, community members, students, and parents.

At the completion of the multimedia broadcasts, the students will have improved skills in informational media technology. There will also be increased communication within the school community. Feedback of the final productions and the expansion of student and staff involvement as well as an increased use of technology integration school-wide will assess success.

Informally assesses students' skills

Benefits:

The TED grant will provide the funds for the equipment necessary for this project. This equipment will ultimately be shared school-wide. This project will serve as an inspirational model for future projects involving the innovative use of technology integration with students. Students will be able to explore and utilize current technology tools in order to express their imaginations in meaningful ways. As they become the "technology experts" in the use of these tools, students will develop leadership and communication skills while teaching others in their school community.

Allows for expansion in future years

When the students make connections with subject matter through mixed media, they are able to be creative and to make their own connections by developing a schema for the material, which leads to life long lessons and learning. These connections with the new material are made through background knowledge and life experiences, and expressed through the 21st century tools at their fingertips.



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GRANT RUBRIC

YOUR PROJECT IDEA...	3 EXCEEDS EXPECTATIONS	2 MEETS EXPECTATIONS	1 DOES NOT MEET EXPECTATIONS
Is innovative	Involves more than one type of innovation, such as: change, expansion, adaptation, enhancement, improvement, challenge, risk, or a new technique supported by research	Involves one type of innovation, such as: change, expansion, adaptation, enhancement, improvement, challenge, risk, or a new technique supported by research	Is not considered innovative
Is consistent with school or district goals	Is consistent with school and district goals	Is consistent with school or district goals	Is not consistent with school or district goals
Encourages leadership and creativity	Leadership and creativity are clearly evident	Leadership and creativity are somewhat evident	Leadership and/or creativity are not evident
Promotes collaboration between educational professionals, teachers, parents and community groups	Includes several teachers, administrators, or stakeholders	Includes at least two teachers, administrators, or stakeholders	Does not involve professional collaboration
Benefits a large number of students	Benefits many students	Benefits some students	Benefits a few students
Assesses educational outcomes	Assesses educational outcomes in more than one way	Assesses educational outcomes in at least one way	Does not adequately assess educational outcomes
Allows for successful replication or expansion in other classes or schools	Expansion and/or replication in future years is easy and doable	Expansion and/or replication in future years involves some minor changes	Project is not expandable or replicable