



Santee School District 21st Century Grant Application

A Brief Introduction

This grant is an opportunity for a team of teachers to accelerate their integration of technology into student learning. The results of this integration should be an increase in student achievement, as well as 21st century skills. There should also be an increase in teacher competency levels using technology as a Type II learning tool.

There are two types of technology uses in the classroom. Type I approaches simply automate conventional practice - they support the ways teachers currently teach by offering drill and practice or assessment tools. Type II uses are those that allow students and teachers to do things that they couldn't easily do before, or perhaps couldn't do at all, such as podcast creations and global conversations with Skype. Technology tools can be both Type I and Type II. For example, using a netbook to do word-processing is a Type I approach. It is being used as a typewriter but in a better way because students can delete and format text. In order to become Type II, students need to use the word-processing tool to outline, insert multimedia, and publish their creation.

Links to other Type II uses:

TED Talk by Conrad Wolfram about changing how we teach math by using computers - http://www.ted.com/talks/conrad_wolfram_teaching_kids_real_math_with_computers.html

Kids Monitoring Terrain with Tech: <http://www.edutopia.org/wetland-ecology-technology-video>

Lego Robotics: <http://www.youtube.com/watch?v=LD1EOHYIdd4>

Kinetics: <http://www.edutopia.org/stw-maine-project-based-learning-kinetic-art-video>

The Flipped Classroom: <http://www.youtube.com/watch?v=2H4RkudFzlc>

eBook Publishing with iPads: <http://itunes.apple.com/us/itunes-u/ipad-ebook-publishing/id395854865?i=96710563>

The team of teachers applying for the grant should be both vertical and horizontal, meaning that participants of the grant would include the majority of teachers at a minimum of two grade levels i.e., teachers from grades 4 & 5. A team has to have a commitment of full participation from a minimum of 70% of the teachers of the grade levels submitted in the grant. A team also must have a minimum of 4 teachers participating.

A timeline for the application process is listed below.

Timeline for the application process:

<i>January 2012</i>	<i>Announcement of the 21st Century Grant Application</i>
<i>March 2, 2012</i>	<i>A draft of the grant is submitted for a first read</i>
<i>March 19, 2012</i>	<i>Drafts of submitted grants are returned with feedback</i>
<i>April 27, 2012</i>	<i>The final version of the 21st Century Grant application is due</i>
<i>April 27 - May 3, 2012</i>	<i>Grant presentations are made by applicants</i>
<i>May 21, 2012</i>	<i>21st Century Grant awards are named</i>

Additional information regarding Type I and Type II use of technology:

<http://www.youtube.com/watch?v=E5lIC1jKcC8> – YouTube video explaining Type I vs Type II

<http://www.educationevolving.org/pdf/TypeIIRethinkingTheClassroom.pdf> - Article about Type II tech changing the classroom

21st Century Grant Application Process

Project Overview (Executive Summary) – One page summary of the project, to include objectives.

Narrative

Please address the following topics in your narrative:

1. Current Practice

- a. How do you see technology currently being used within the team applying for this grant?

2. Integration of technology with curricula and instruction –

- a. How will technology change instructional practice and student learning?
- b. How will participants integrate technology into curriculum and instruction so that it becomes a seamless part of the learning environment?
- c. What will be the technology literacy level necessary for students to be successful in this environment?
- d. Include the team's expectation for appropriate use of hardware and software by students. Also include the safety consideration team members will use as a part of this grant. How will this information be communicated to students and parents?
- e. Timeline for this integration, with trimester interim benchmarks.

3. Innovative delivery strategies –

- a. How will grant participants encourage the development, use, and sharing of innovative strategies to increase rigor through the use of technology as a Type II instructional tool?

4. Professional development –

- a. What is your team's Professional Development Plan, including a timeline?
Note: A minimum of \$2,500 from various site funds must be used for professional development of this grant. If the grant is approved, the District will also provide an additional \$2,500 for Professional Development. (Please include the District funds in your detailed budget.)

5. Parental Involvement –

- a. How will parents be informed of the technology being used?
- b. How will parental and/or community involvement be promoted throughout the program?

6. Accountability measures –

- a. What accountability measures will be used to evaluate the extent to which the technology integration is enabling students to succeed academically
 - i. Items to consider include 21st century skills, discipline, and attendance.
 - ii. Can be numerical and subjective data collection.

7. Showcase –

- a. How will students and teachers showcase the successes of the program to the Board of Education, the school, and community stakeholders?

8. Sustainability –

- a. What are the critical components necessary for this grant to be successful for the next 3-5 years?

9. Administrator Role –

- a. Describe site administration's role as a participant in this project.

10. Infrastructure –

- a. What support agreements do you have from Technology, Maintenance and Operations, and Instructional Technology for program success?
- b. Describe the security measures used by team members to protect hardware and software.

11. Budget –

- a. Include a detailed budget that includes allocation of grant monies, as well as site funds, that will be used for:
 - i. equipment,
 - ii. maintenance,
 - iii. professional development, and
 - iv. infrastructure support.

12. Signature Page –

- a. Please attach a signature page with the names and assignments of all team members participating in this grant project.