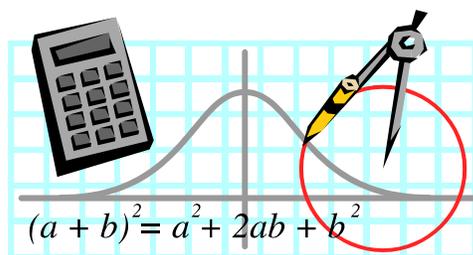


# The Grant Grapevine



## Math Machines Equipment Grants to US educators.

50 educators will be selected to each receive a Vernier SensorDAQ computer interface with voltage and light probes and a Math Machines Function Plane.

To qualify for a grant, educators should:

1. Download and install the Math Machines "NSF-Suite" of software onto a Windows computer (XP\*, Vista or Windows 7). The software is free, but registration is required,
2. View the 15-minute YouTube video, Functions in Color,
3. Review the "Readme" file included with the software download or here.
4. Use the Color Functions software to complete the 3 tasks below, and save each solution in the form of an Experiment file.

**Task 1:** Create explicit functions for the three primary colors,  $r = f(t)$ ,  $g = f(t)$  and  $b = f(t)$ , such that the display changes smoothly from yellow to blue and back to yellow in 8 seconds without going out of range.

**Task 2:** Create recursive functions for the three primary colors of the type  $r_{n+1} = f(r_n)$ ,  $g_{n+1} = f(g_n)$ , and  $b_{n+1} = f(b_n)$ , such that the display changes gradually from red to aqua in 20 seconds.

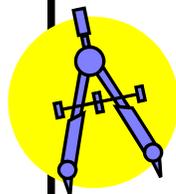
**Task 3:** Create an original "Color Show" lasting a total of 30 seconds which applies mathematical skills appropriate to the level of your students. The show should incorporate at least one mathematical function (such as "abs," "step" or "rand") which is not demonstrated in the YouTube video.

- Attach the 3 experiment files to an email describing in 500 words or less how and where you intend to use the Math Machines software and Function Plane with students. Send the email to [grants@mathmachines.net](mailto:grants@mathmachines.net).

For more information:

[http://www.mathmachines.net/grants/Math\\_Machines\\_Equipment\\_Grants.pdf](http://www.mathmachines.net/grants/Math_Machines_Equipment_Grants.pdf)

Grants are available only to US educators of secondary school, community college or university STEM (science, technology, engineering and mathematics) students. Applications will be reviewed as received and judged based on (a) the applicant's demonstrated mastery of the Color Functions software and (b) the likely benefits of the proposed activities in furthering STEM education. The grant process will close December 31, 2012 or when all available equipment has been awarded. Recipients will be expected to provide brief feedback regarding the actual use of the equipment.



Vernier Sensor 1

Pioneer Drama 2

Intel & Ashoka 2

Graffiti Hurts 3

Gale Schools 3

A Perspective on Funding 4

### Remember when applying for a grant:

1. Submit the proposal to the Grants Acquisition Office c/o Federal Programs (259-3283 ext 858086).
2. Make sure the project aligns with the School Improvement Plan and/or the MNPS Achieves Strategic Plan.
3. Get pre-approval from the building Administrator and submit the pre-approval form to the Grants Acquisition Office at least five (5) days before the application deadline.

Pioneer Drama Service is proud to offer **Touching Lives Through Theatre™ Grants** available for the upcoming 2012-13 school year. Because we believe so strongly in the power of theatre to make a difference in a student's life, we are awarding a total of \$5000 of grants in the form of Pioneer Drama credit to qualifying middle and high schools.

Our goal with these grants is to create and support school theatre programs, generating positive opportunities for students and giving them a place to shine. Theatre allows children to involve themselves in an experience that brings growth, maturity, teamwork and responsibility — qualities that are relevant to all aspects of life. A 2010 applicant summed this up quite eloquently:

*"The theatre program at my school is one of the most important and beneficial aspects of the school... Students enter the stage apprehensive and shy and leave the stage with confidence, poise and grace. Whether students are destined for Broadway or the corporate world, no doubt about it, theatre has a positive influence on their lives."*



Each grant is intended to help create a complete drama experience for students in a school and must be used to stage at least one theatrical production. Grants will range from \$100 to \$500 of credit at [Pioneer Drama Service](#), which is to be used for production materials, royalty fees, texts, DVDs and makeup. Grant funds will be awarded by August 15, 2012 and must be spent in their entirety by June 15, 2013.

For information, applications, and requirements [click here](#)



Intel Corporation and Ashoka Changemakers are launching this online competition to find the world's most innovative solutions that equip girls and women with new digital technologies—enabling them to live healthier, smarter, and more meaningful lives. The competition launches **June 6, 2012**. Submit your solutions, or nominate a project to create tomorrow's job markets today. Three winners will each receive a

cash prize of US \$10,000.

**Who should enter:**

The competition is open to solutions from around the world, with special consideration for innovations developed for women by women aged 18 to 34. We can only accept your entry in English, Spanish, Portuguese, or French.

The competition is open to all types of individuals, organizations, and collaborations from all countries as long as solutions apply directly to bettering the lives of women through information and communication technologies. We consider all entries that:

- Reflect the theme of the competition: *She Will Innovate: Technology Solutions Enriching the Lives of Girls*.
- Identify innovations that accelerate women's socio-economic progress by empowering them with digital solutions to improve women's health, education, and well-being.
  - Indicate growth beyond the conceptual stage and have demonstrated impact and sustainability. We support new ideas at every stage and encourage their entry. The judges are better able to evaluate programs that are beyond the conceptual stage and have demonstrated a proof of impact.
  - Are submitted in English, Spanish, Portuguese, or French.

Please complete the entry form in its entirety and submit by August 15, 2012. [Click here](#) for more information





The Graffiti Hurts® National Grant Program aims to help communities kick-start or add to a local graffiti prevention program. Grant funds may also be used for a one-time project that has the potential to significantly reduce graffiti in the community. Grants will be offered to communities in three population categories - **community under 75,000 population, community between 75,000 and 250,000 population, and community over 250,000 population.** Grant funds must be used for projects that

begin by Fall 2012 and are completed no later than December 31, 2013.

For the 2012 program, six grants will be awarded: four cash grants of \$2,500 each; two paint product grants from Sherwin-Williams valued at \$2,500 each; and one FlashCAM from Q-Star Technology valued at \$6,100. To learn more about the FlashCAM and before applying for this category, be sure to visit: [qstartech.com](http://qstartech.com).

Proposed projects can address graffiti prevention and education, rapid removal, or help to enforce local anti-graffiti laws. Programs that focus on graffiti prevention initiatives, including Crime Prevention Through Environmental Design (CPTED), and engaging and educating youth are encouraged. Businesses that make or operate graffiti removal equipment or technologies are not eligible.

**All applicants will be notified of status by September 12, 2012.**

**Grants will be awarded to applicants that meet the following criteria\*.** **The proposed project will:** Contribute to a comprehensive effort to prevent graffiti in the community, Implement an innovative or proven technique to address graffiti prevention, Help educate the community about graffiti prevention, Involve community partners, and encourage adult and youth citizen volunteers, and Help develop a sustainable graffiti prevention effort.

Hurry—the deadline is June 15. Applications and requirements can be found [HERE](#)



 [galeschools.com](http://galeschools.com)

The Gale/Library Media Connection TEAMS Award recognizes and encourages the critical collaboration between the teacher and media specialist to promote learning and increase student achievement. The awards are given every two years.

Three winners will receive: \$2,500 (U.S.) cash award; Gale products (approximate value \$500 U.S.); a one-year subscription to Library Media Connection; and Educator's Professional Bookshelf (approximate value \$500 U.S.) from Linworth Publishing.

A panel comprised of education industry professionals and Gale staff will evaluate the nomination based on:

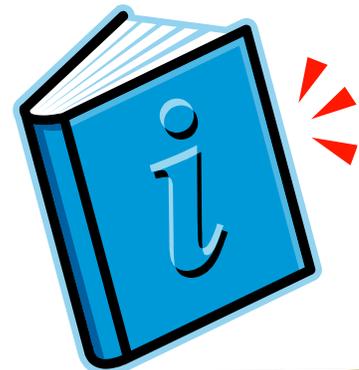
- Demonstrated collaboration between media specialists and teachers during a school year. Entrants may select which one of the two school years they would like to submit.
- Effective techniques that positively impact student learning and achievement
- Support received from school leadership
- Ability for others to replicate this best practice

**All K-12 public and private schools in the United States and Canada are eligible to enter.**

Examples of the types of collaboration that will be considered:

- Using large-print books to improve student reading scores
  - Increasing literacy among struggling readers
  - Improving information literacy: open Web vs. subscription resources
  - Using nonfiction materials in classroom libraries to support reading
- Integrating electronic and print reference resources into classroom learning

For more information visit [Gale Schools](http://Gale Schools)



## Grants Development Office

2601 Bransford Ave  
Nashville, TN 37204  
Denise Pridemore  
Grant Development Manager,

Phone:  
615.259.3282 ext 858086  
Fax:  
615.214.8852  
Email:

## A Perspective on Funding

If you are reading this, you view funding as more than exclusively supported by tax dollars. We are moving, whether we like it or not, from believing schools should be supported exclusively by tax dollars to a system, in the collective sense, that seems incapable of sustaining itself with public money alone. But along with the need for additional funding for our projects and programs, we must garner against accepting funding simply because it is available. We, as grant seekers, must be vigilant about ensuring that our goals and vision aligns with those who are funding our projects and programs.

Foundation money and funding is one area that we should be vigilant. While foundations provide less than 1% of the over \$600 billion that the US spends on K-12 education, those funds fill the gap and fund ‘things’ that tax dollars cannot stretch enough to cover. Those foundation dollars carry a very special quality because schools and district must *compete* with others in order to get the bucks. In today’s competitive-driven world, the grant winners [awardees] appears as better, smarter, or even more clever than others in the race—not to mention those who choose not to even run the race.

Programs, funded with major foundation dollars, have produced and been responsible for identifying some of what is difficult about improving schools and student learning because of the support of charter schools, funding the extensive work in Common Core Standards, school and district turnaround, leadership development, new programs and equipment, and more adult bodies in schools to help students learn. We should always clearly and completely question and guard against the *lure* of these dollars being faithful to our programs and not getting manipulated into other programs, visions, or philosophies. Foundation money can help and make our schools better by being required to report, evaluate, scrutinize, and maintain accountability.

As we see reductions in federal per-pupil dollars we a beginning to see a marked increase in competitive dollars even at the federal level. The Race to the Top competition has now filtered down to the district level and the Investing in Innovation competition is becoming a benchmark for best practice, student achievement, and research. To get these monies we must be strategic, forward thinking, data-informed, transparent, and willing to self-evaluate. Such is the case in all areas of funding in our district.

My challenge to you is to develop your plan—what do you *need* to ensure your plan is successful. If your plan is strategic, based on need, clear, and with specific goals and objectives, you have a step ahead. You will be running the race and you can be competitive.

Don’t chase the dollars—let your plan attract the funding.

