

APPLICATION

TEF STEM Initiative Grant

Applicant(s): Luminita Denisiu

Job Title: Teacher

School Site: South High School

Principal: Dr. Scott McDowell

Contact Information:

Day Phone # 310 880 5215

Evening Phone # _____

Email: Denisiu.Luminita@tusd.org

Program/Event (Please select 1 per application)

- | | | | |
|---|--|---|--|
| <input type="radio"/> Engineering **
After-School Club | <input type="radio"/> First Lego League/
Robotics | <input checked="" type="radio"/> Family STEM
Night | <input type="radio"/> Hour of Code |
| <input type="radio"/> Math Counts | <input type="radio"/> Science Olympiad | <input type="radio"/> CyberPatriots | <input type="radio"/> Stellar Xplorers |

** Applicants may submit separate applications for multiple programs/events.*

*** Applicants for Engineering After-School Club, please include program title & curriculum/description*

Did this school receive a TEF STEM Initiative Grant for this program/event last year? ☒ YES

☐ NO

Number of years program/event has been in place at your schools:

 0 years (new) X 1 year 2 or more years

Targeted Grade Level(s) 10-12 Estimated number of participating students: 50

Estimated schedule of events and planning (ex: tentative dates for future information meeting, club meeting times, competitions or event dates, etc.)

March - 2019

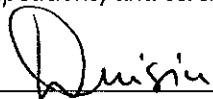
Topic: The Challenge of Quantum Reality

Quantum physics is considered by many to be the single most important advance in our understanding of the universe. This STEM night provides parents and students with an unique exploration of concepts related to double-slit experiment, the wave-particle duality, the nature of electrons and interpretations and applications of quantum physics - quantum dots.



wants to celebrate and support grant winners!

Grant winners are **required to notify** TEF (Admin@TorranceEducationFoundation.org) of future events, competitions, and ceremonies related to the approved program/event. Please give at least two weeks notice.


Applicant Signature

Oct 1, 2018
Date


Principal Signature

Oct 1, 2018 Deadline extended to
Date Tuesday, Oct. 2nd - 8am

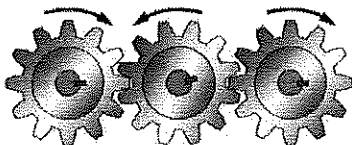
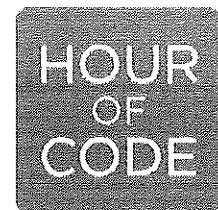
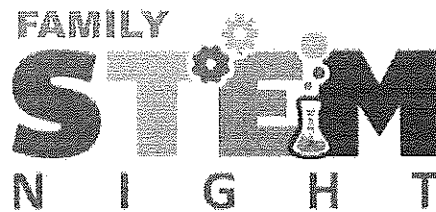
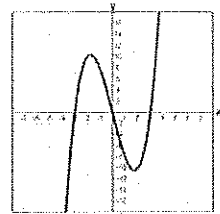
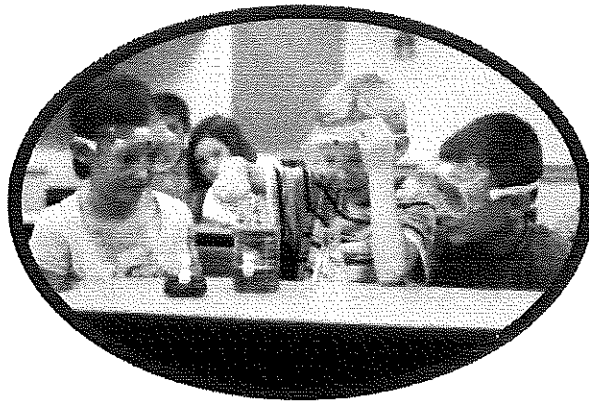
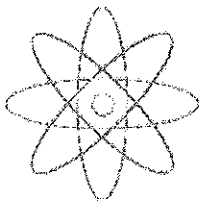
*** Completed grant applications should be scanned and emailed to Admin@TorranceEducationFoundation.org by 3:00pm, September 28th.**

DEADLINE EXTENDED TO
Tuesday, October 2nd - 8am

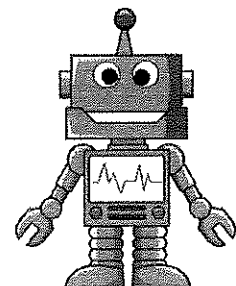
STEM Initiative

Grant Program 2018-2019

Providing extended 21st Century learning opportunities for all students



After School Engineering Clubs



Robotics



TEF STEM Initiative Grant Program

Purpose: *To provide access to new and sustainable STEM (Science, Technology, Engineering, and Math) learning opportunities for K-12 TUSD students that promote collaboration among all schools.*

Guidelines:

1. Grants will be awarded for one of the eight (8) STEM Initiative programs described in the following section. Applicants may submit multiple grant requests.
2. Grant winners will receive funding for the amount specified in the "Programs & Events Eligible for Grants" section of the application.
3. Due to limited funds, if necessary, preference will be given to schools attempting to start a new program, as many different schools as possible and greater number of participants.
4. Any materials purchased with this grant are to remain the property of TUSD.
5. Grant funds will be held in a designated TUSD account to be withdrawn by grant winners in accordance with existing TUSD accounting policies and procedures. (Instructions on withdrawing these funds will be provided to grant winners.) Grant award funds must be used within one calendar year after receiving the grant.
6. Grant applications must be signed and approved by the school principal.
7. STEM Initiative grant applications must be received by 3:00pm, Friday, September 28. **Deadline extended to Tuesday, Oct. 2nd - 8am**
8. Completed grant applications should be scanned and emailed to:

- Admin@TorranceEducationFoundation.org

Applications will be reviewed and approved by the TEF STEM Leadership Committee.

9. Grant winners must notify TEF (Admin@TorranceEducationFoundation.org) of future events, competitions, and ceremonies related to the approved program/event. Please give at least two weeks' notice.
10. Promotion: Grantees may be asked to display a TEF banner to promote this sponsorship, and whenever possible to recognize TEF grant support in school publications, newsletters, flyers, and on the school website.

Grant winners and applicants will be notified by mid-October of their application standing. Please direct questions to Admin@TorranceEducationFoundation.org.

Programs and Events Eligible for Grants

Program/ Event	Description	Website	Time Frame	Grant Amount	Fund Use
Engineering After-School Club: Engineering Everywhere & Engineering Adventures	Developed by the Museum of Science, Boston. <u>Engineering Everywhere:</u> Grades 6-8 <i>Units:</i> Biomedical Engineering, Engineering Bioplastics, Prosthetic Tails, Vertical Farms, etc. <u>Engineering Adventures:</u> Grades 3-5 <i>Units:</i> Rockets/Rovers, Recycled Racers, Invasive Species, Flying technology, Air Drop Packages, Earthquakes, etc.	www.eie.org	All year	\$500	Materials - kits and curriculum

Program/ Event	Description	Website	Time Frame	Grant Amount	Fund Use
First Lego League & Robotics	9-14 year olds, grades 4-8 - Team robotics competition & club 14-18 year olds, grades 9-12 High School International Robotics competition	www.firstlegoleague.org www.usfirst.org	Fall	\$1000	Competition entry fees and materials (kits, CD's, etc.)
Family STEM Night	Grades K-12 - Workshops, hands-on activities, challenges in various classrooms. Coordinate with other events (invention convention, open house, etc.) ** Please coordinate Family STEM Night applications within your school if there will be more than one event.	Search <i>Pinterest</i> for ideas and plans!	Winter-Spring	\$1000	Materials and supplies
Hour of Code	Grades K-12 Participate in Hour of Code events. Schoolwide promotions is preferred. Program purpose is to provide computer science education for every child, not just a lucky few.	www.hourofcode.com/us	Dec 5-11	\$500	Materials and supplies
Math Counts	Grades 6-8 Middle school math competition series - up to 10 students/school for regional competitions	www.mathcounts.org	Winter-Spring	\$500	Competition entry fees and materials (kits, CD's, etc.)
Science Olympiad	National K-12 Science competition, K-6, 6-9, 9-12 divisions, 23 events at each competition, 15 team members with alternates	http://soinc.org www.socalstatescioly.org	Winter-Spring	\$1000	Competition entry fees and materials (kits, CD's, etc.)
Cyber-Patriots	<u>National Youth Cyber Defense Competition</u> (Grades 6-8 & 9-12) Purpose is to inspire students toward careers in cybersecurity or other STEM disciplines critical to our nation's future.	www.uscyberpatriot.org	Fall-Winter	\$500	Materials – kits and curriculum
Stellar Explorers	National High School Space Challenge	www.stellarexplorers.org	Oct-April	\$1000	