



# APPLICATION

## TEF STEM Initiative Grant

Applicant(s): Jay Estabrook Job Title: Teacher  
School Site: North H.S. Principal: Chris Sheek

### Contact Information:

Day Phone # 310 533-4412 Evening Phone # 310-561-7152  
Email: estabrook.jay@tUSD.org

### Program/Event (Please select 1 per application)

- |   |  |   |  |
|---|--|---|--|
| <input type="radio"/> Engineering **<br>After-School Club | <input type="radio"/> First Lego League/<br>Robotics | <input checked="" type="radio"/> Family STEM<br>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)      1 year ☒ 2 or more years

Targeted Grade Level(s) 9<sup>th</sup> Estimated number of participating students: 400

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

Solving the Rubik's cube is a scientific process. Learning algorithms helps students break problems into smaller steps and it stimulates logical reasoning. Cubing also develops spatial reasoning and persistence. Finally, cubing allows students to practice following directions and see that long term practice pays off. Our goal is to teach every incoming freshman how to solve the rubik's cube. We will purchase cubes in the fall and begin teaching freshman in the winter. During the fall while we are waiting for our cubes, we will train Club Cubed students to teach each step of solving the cube. Meetings will initially be held in V25 at lunch. As the number of students that we are working with grows, we will move to the library, the quad, and the cafeteria. Finally, in the spring we will have a cube solving event for all students and families where we will provide snacks, raffle prizes, and awards. Our goal is have 500 people solve the cube at the same time. Within two years our goal is to have 4000 people solve the cube at one time and break the Guinness Book world record of 3450.



**wants to celebrate and support grant winners!**

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

[Signature]  
Applicant Signature  
[Signature]  
Principal Signature

9/27/18  
Date  
9/27/18  
Date

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