



# National Education Foundation and State University of New York (SUNY)

*present*

**\$100 Million National Grant Initiative**

**STEM+ Academy  
100% Middle School Grant**

**Eligibility: Disadvantaged Schools with 35% or more students on  
Free/Reduced Lunch**

**[www.cyberlearning.org](http://www.cyberlearning.org)**

**By Dr. Appu Kuttan, NEF Chairman**

September 17, 2012

# About NEF

## [www.cyberlearning.org](http://www.cyberlearning.org)

- **National Nonprofit Leader in Bridging Academic & Job Skills Divides**  
in the Nation's Schools since 1993
- **NEF Vision:**  
Set up CyberLearning STEM+ (Science, Technology, Engineering, Math), **ELA, SAT/ACT, IT, Business and Management** Academies in most Disadvantaged Schools (35% or more students in F/R Lunch) in the U.S.
- **Rationale:** US is 25<sup>th</sup> out of 35 countries in STEM skills!
- **NEF Goal:**  
**Provide world-class STEM+ education to a million students of disadvantaged schools in the U.S. during 2012-2015 to “better prepare them for college and 21<sup>st</sup> century workforce”**

# NEF's Course Donation (100% Grant)

**STEM + courses by Pearson and others rated at the top by **

**Student progress = 1 grade level in math/reading .. with 20-30 hours on the system**

## 16 World-class Online Academies Mapped to Your State Standards and National Core Curriculum Standards

- Elementary School (2 Academies):
  - Math, ELA (English Language Arts) by Pearson SuccessMaker
- Middle School (3 Academies):
  - Math, ELA by Pearson SuccessMaker
  - Digital Literacy (meets NCLB mandate for 8<sup>th</sup> graders)
- High School, Vocational Ed, Technical Ed (8 Academies):
  - Math, ELA, Science, Social Studies by Pearson NovaNET
  - SAT/ACT
  - IT ( including 60 IT certifications in Microsoft, Cisco, Oracle, Web Design, IT security, A+, Net+, Security+, etc.,)
  - Business (including 500 business skills courses & videos)
  - Management (including Project Management certifications)
- Adult Ed (3 Academies):
  - Job Prep Technology including 60 IT certifications
  - Job Prep Business including 500 business skills courses & videos
  - Job Prep Management including the much-in-demand Project Management certifications

# How Does the STEM+ Academy Services Work?

- ◆ **CyberLearning System** is defined as T/P TCMM (Teacher/Parent, Technology, Courseware, Mentoring, Motivation); All these are essential parts of a total solution.
- ◆ NEF provides a **TOTAL SOLUTION (ISL-MM-TT) QZAB academy** consisting of these services:
  - **Individualized Learning**
  - **Stipends for Academy Director** & Teachers
  - **Learning Management System (LMS)** for Tracking of student progress and reports (similar to Blackboard, which charges \$100/license)
  - **Mentoring Program**
  - **Motivational Program**: Rewards (e.g., iPods) for Students, Parent Awards, Award Day, Olympic (Bronze, Silver, Gold) Leader Board in classrooms with student photos for continuous self-motivation. Gold students receive **iPods, Professionally done Story book like the Year book, Gift Certificates** etc. (See the next 2 slides)
  - **Training** for Teachers & Academy director
  - **Tech Support (24/7)**
- ◆ **NOTE: SUNY (STATE university of NY) and/or a local university/college will work with you to implement the Total Solution STEM+ Academy and provide completion certificates**



# IC3 GS3 Digital Literacy Program



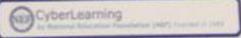
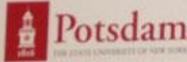
## GOLD



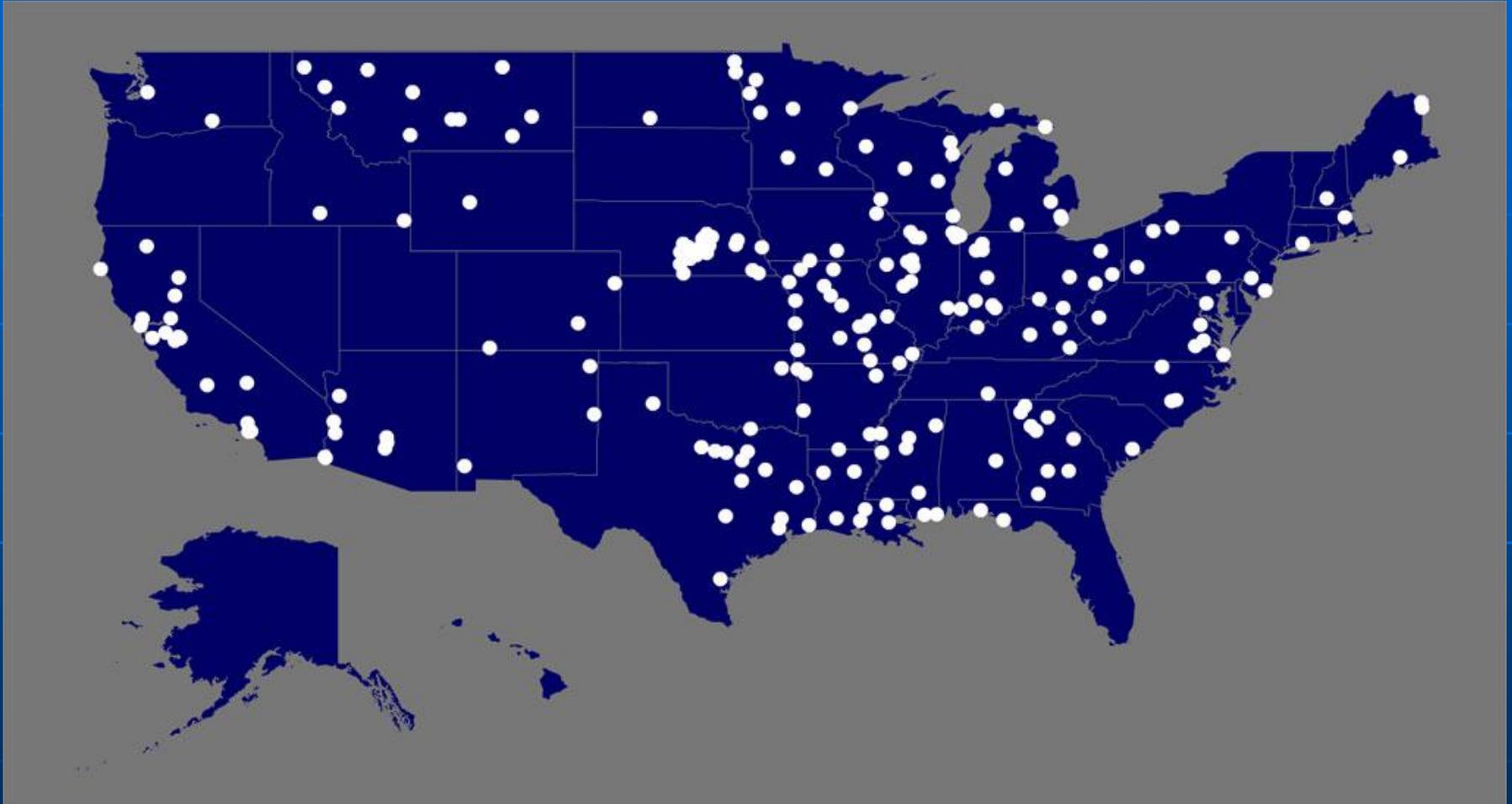
## SILVER



## BRONZE



# Cyberlearning Academies 2011-2012 (Math Academies + STEM Academies)



**National STEM Leadership Award from National Education Foundation (NEF CyberLearning) Goes to VA Principal  
*At-Risk High School Graduation Rate Has Gone Up from 61% to 91% - A Model for Nation's Schools*  
Reuters News, Thu Mar 22, 2012**



- **Left to Right: NEF Founder Dr. Appu Kuttan, New Directions High School Principal Robert Eichorn, Prince William County Superintendent Dr. Steven Walts and School Board Members (Photo: Business Wire)**
- Robert L. Eichorn, principal of New Directions Alternative Education Center in Manassas, VA, was recognized by National Education Foundation (NEF), on Friday, March 16, 2012 with the 2011-12 NEF CyberLearning National STEM Education Leadership Award.
- NEF is the national nonprofit leader in providing science, technology, engineering and math (STEM) education solution to disadvantaged schools across the U.S.
- NEF founder Dr. Appu Kuttan, a global expert in education systems and empowerment, and the ‘father of cyberlearning,’ presented the award to Mr. Eichorn, along with a \$10,000 school grant. Prince William County School Board Chairman Milton Johns and Superintendent Dr. Steven Walts attended the ceremony.
- “The national award recognizes Eichorn’s powerful advocacy for bridging the STEM divide. His school’s sustained success has demonstrated the success of NEF’s CyberLearning STEM education program,” said Dr. Kuttan.
- Superintendent Walts praised both Eichorn and Kuttan, saying, “The students are the beneficiaries of Eichorn’s profound vision. I thank Dr. Kuttan and NEF for recognizing New Directions and Mr. Eichorn for the outstanding work they do.”
- The Manassas school is one of hundreds of schools across the U.S. that NEF supports.
- NEF’s STEM education commitment, made recently at the Clinton Global Initiative, is to provide high-quality STEM education for one million students in the nation’s disadvantaged schools. NEF currently serves a million disadvantaged students in math education. It has already set up CyberLearning STEM academies in 14 states.
- President Bill Clinton has commended NEF’s CyberLearning program saying "I salute you for your ongoing commitment for creating a better and stronger America."
- NEF ([www.cyberlearning.org](http://www.cyberlearning.org)) donates online STEM courses, rated at the top by the U.S. Education Department, and provides Total Solution services including individualized learning, teacher training, mentoring and motivation.
- NEF students can advance a grade level in math or reading in 20-30 learning hours for \$70. NEF is thus able to provide the most cost-effective STEM 7 education program in the U.S.
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# Data Driven Program Development

**Prince William County (VA) New Directions Alternative Education High School for At-Risk Students (85% of students African American and Hispanic)**

## VA Standards of Learning (SOL) Examination School-wide Pass Rates

	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
	61%	79%	86%	89%	87%

## Academic Credit Accrual

	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
	450	528	1128	1900	1675

## Enrollment

	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
	190	220	270	400	438

# Model QZAB CyberLearning Academy at Collier County School District, FL

(98% F/R Lunch)

See [www.qzab.org/colliervideo](http://www.qzab.org/colliervideo)



- **2,000** K-12 Students
- Started in **August 2006**
- Average annual evaluation results
  - **25% Improvement** in Student Scores
  - Significant Reduction in **Dropout Rate**
  - **Motivated At-Risk Youths** Pursuing IT Professional Certifications

# TESTIMONIALS



**"In all my years as Academic Technology Director, I have never come across a visionary educational leader as Dr. Kuttan, who cares deeply about the education of students, and provides all the resources needed. Without Dr. Kuttan's dedicated commitment and NEF grants, our students would not have been able to make the significant progress they have achieved. Their grants made a difference in the lives of our students."**

**Camella Mouton - Academic Technology Director, St. Landry School District, LA**

**For additional Testimonials, see [www.cyberlearning.org/testimonials/](http://www.cyberlearning.org/testimonials/)**



# Dr. Appu Kuttan

## NEF Chairman & Father of 'cyberlearning'

### Former President Bill Clinton

to NEF Chairman Dr. Appu Kuttan:  
"You are helping to empower tomorrow's leaders. I salute you for your ongoing commitment for creating a better and stronger America."

### Kathy Johnson, Advisor to the

**Governor of Alabama:** "Dr. Kuttan, your generosity never ceases to amaze me. You are a blessing to so many, and your friendship is a blessing to me. I truly value our working relationship and friendship."

- **Acclaimed global leader** in STEM, digital education, education & management systems, and empowerment
- **Philanthropist** who donated most of his personal funds to NEF to bridge the academic and digital divides
- **Innovator:** Internationally-known Education Systems, Management Systems and e-learning Innovator
- **Advisor to World Leaders** including the former Indian Prime Minister Rajiv Gandhi (on making India an IT power) and the Clinton, Bush and Obama Administrations
- 2011 **Univ. of Wisconsin Distinguished Service Award** Winner & 2006 **Global Digital Literacy** Champion
- **Author** of the acclaimed books, "*From Digital Divide to Digital Opportunity*" and *Happy Executive – Nurturing Mind, Body & Soul*. as well as innovative concepts such as MBS (Management By Systems), CyberLearning, Total Tennis, Holistic Executive and *Kuttan Pre-school System*
- **Mentor** to many young celebrities including world tennis champions Andre Agassi and Monica Seles and U.S. Presidential honoree Roger Kuttan

# **SUNY** Prof. Anthony Betrus

## **NEF's National STEM+ Academy Program Director**

- **National Expert in Digital Education systems and Instructional Technology**
- Professor of Computer Science, Organizational Leadership, and Technology (CSOLT) at the State University of New York



# Robert Eichorn, M.Ed.

## CyberLearning STEM+ Academy Advisor

- **Principal, Alternate HS for At-Risk Students, Prince William County School District, VA**
- **National Expert in the use of Digital Education for Credit Recovery, Remediation and Enrichment**
- **2011-12 National STEM Leadership Award Winner**
- **Improved Graduation Rate of At-Risk Students from 61% to 91%**



# Unique Opportunity for Eligible School Districts/ Schools

## WIN-WIN-WIN

- **WIN for Schools –**
  - 1) **World-class CyberLearning STEM+ Academy at 90%+ grant from NEF;**
  - 2) **World-class PARENT IT, Business & Management Academy with 100% grant from NEF**
- **WIN for Students – Improved scores & skills;  
Better prepared for college and 21<sup>st</sup> Century workforce;  
Certificates from SUNY (State University of NY)**
- **WIN for NEF – Bridging the academic and job skills divides**

For **Information:** [www.cyberlearning.org](http://www.cyberlearning.org)  
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or email [akuttan@cyberlearning.org](mailto:akuttan@cyberlearning.org)

