

NATIONAL EDUCATION Foundation's Planning Guide for QZAB Applications

Academy Curriculum and Instruction (flexible to suit local education/culture) QZAB

Choose from K-12 course packages containing nearly 2,600 high quality courses. See www.cyberlearning.org/catalog for details. Each course package contains several courses in ELA, math, science, social studies, digital literacy, IT and Business, For example, the 300+ courses in the Office Computing package represent almost every aspect of computer learning needed in today's office environment including all levels of Microsoft Word, Access, Excel, Outlook and PowerPoint. The packages include high quality **K-12** courses mapped to state standards as well as the national common core standards.. The 2,500+ IT and business skills courses include 60+ certifications in Microsoft, Cisco, Oracle, CompTia, Web Design, Project Management, Digital literacy licenses, etc.

k-8 – the main content is SuccessMaker, a Pearson individualized learning product – one license allows each user to access both Math and ELA courses

6-12—the main content is GradPoint (upgrade of NovaNet), a Pearson individualized learning product ACT courses– each license allows one user to access math, ELA, science, social studies and SAT/

Courses are available for SAT Prep, ACT Prep and some online AP courses

Employees (or students) may utilize all of the above content via online courses with certificates from SUNY of New York upon completion

Parents may utilize the above content via online courses with certificates from SUNY
of New York upon completion in a Parent Academy or Parent University

These web based online courses may be utilized as the main curriculum content in classrooms, computer labs, libraries, after school programs or at home and over school breaks including summer vacation. These courses may also be used as a component of RTI (Response To Intervention), as supplements, homework, special assignments, hybrid instruction, etc.

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Professional Development (onsite and online) is provided for all assigned teachers, principals and other staff with updates for new staff and annual refresher classes

A support team from SUNY of New York is available for continuous tech support, general help and data analysis

A local university professor with appropriate expertise will be provided, if requested

A staff member selected by the district will be designated as “Director” and paid via a stipend at appropriate amount

Incentives and motivational awards for students and staff will be available, as well as funds for refreshments and incidentals

Partnership with National Education Foundation (NEF) and other districts partnering with NEF.

Learning Management System that can track student activities and progress for every student and help generate instant analysis and reports.

New incentives for 2016-17

1. **Minecraft licenses** to enable K-8 students to participate in District, State and National STEM design contests, with an opportunity to win \$5,000 for each member of the national winning team
2. **STEM design software licenses** (\$1 million value) to enable 9-12 students to participate in District, State and National STEM design contests, with an opportunity to win \$50,000 college tuition grant for each member of the national winning team
3. **Mentoring for academy director** by a successful academy director

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4. Fitness award of \$1000 per school for students reaching fitness goals

Continuing Incentive for QZAB School of the Year: \$10,000 and celebration day paid by the National Education Foundation

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QZAB (Qualified Zone Academy Bonds) Summary

What is QZAB?

A zero interest, 10-30 year loan program US Congress authorized since 1998 at \$400 million per year for K-12 schools. Currently, \$ 350 million is available nationally. Fed provides tax credit to banks/other loan providers for bonds for school districts/charter schools. **To see your state's allocations**, visit www.qzab.org

Eligibility; 35% or more students on Free/Reduced cost lunch in a school using QZAB funds

Use of Funds: Fund Uses: Facilities renovation, energy efficiency, curriculum, teacher training, technology, equipment, renewable energy and/or academy expenses

Required Federal Mandates:

- 1) 10% Match Donation from a business or nonprofit (National Education Foundation provides the match)
- 2) QZAB Academy designed in cooperation with match partner to “better prepare students for college and workforce”

How QZAB is issued

- 1) School District /Charter School applies to the state Department Of Education
- 2) **School District/Charter School receives QZAB funds from financial entities at zero interest**

Problems With the Issuance of QZAB

- 1) Inability of schools to obtain the 10% Match
- 2) Inability of schools to find a match partner who can set up a QZAB academy

Solution:

The **non-profit National Education Foundation (NEF)**, the national nonprofit leader in helping schools to receive QZAB funds and in bringing STEM+ education, has notified all state education department QZAB directors as well as the US Education Department and the US Congress that it will provide:

- 1) the mandated **10% Match donation (with the possibility of a 50% donation with a five-year partnership) and**
- 2) the mandated QZAB Academy by providing a flexible means for school districts to assimilate compute software within the existing educational programs and culture. Schools choose from a menu of nearly 2400 software titles and how to collaborate with NEF who will send a team from its academic partner, the State University of New York (SUNY) to set up a **world-class QZAB Academy** capable of advancing a student one grade level in a subject in 20-30 learning hours by providing individualized learning courses, stipends for students, learning management system, mentoring, motivation, teacher training and tech support. Ultimately, the school district decides how to maximize these resources.

School Personnel Should Contact:

Dr. Art Stellar, NEF VP and former national President of ASCD and superintendent in various states at artstellar@yahoo.com or 828-764-1785 (Cell)

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Budget Categories for QZAB Funds

- Renovations
- Equipment
- Technology
- Energy Efficiency and/or Renewable Energy
- Academy Curriculum & Training
- Issuance Costs, if any

The QZAB planning guide which follows will help you determine what to include in your QZAB application. The projected costs represent the range of what other districts have included in their QZAB applications. In some cases the cost differences are so significant that estimates are not included in this guide. Review your long range facilities plan or items that you were not able to include in your budget.

QZAB is a NO INTEREST bond program to be repaid over 20-25 years. Paying back the bonds over a quarter of a century means the district pays off the loan with dollars of less value. A rule of thumb is that if half of the QZAB allocation is spent on energy efficiency and/or renewable energy, the savings on energy will pay off the entire bond. Applying for QZAB in these areas will reduce your costs in your annual operating budget and enable you to pay off the bonds faster or use the savings in other areas.

You can spend the money in other ways that will reduce your operating budget. What do you have in your budget or will you have in your budget over the next 5 years that would be considered "equipment", renovations, or technology. What do you "Fix" again and again which by replacing with something "NEW" would be saving you money? What big purchases are coming up in the next 5 years like school buses? You could use QZAB and save money in your annual budgets?

Besides the QZAB funds, the National Education Foundation contributes a 10% to 50% match with well over 2400 online computer curriculum courses, as well as professional development. You can also save on software, professional development, tech support, etc.

We are assisting schools all over the country. Staff from these schools will be able to share ideas in a network of educators. We would like to help you obtain QZAB funds to meet your needs and then help you enhance student achievement.

Please contact me at any time to answer your questions and to help you receive approval for your QZAB application.

Art Stellar, Ph.D.
Vice-President, National Education Foundation
artstellar@nefuniversity.org or 828-764-1785

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PS: Use the pages which follow to identify what sites or buildings need each item and the estimated cost. If several buildings need the same thing list each building & the cost for each.

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RENOVATIONS (repairs and replacements)

	Site(s)	Cost(s)
Classrooms: Requested _____		_____
Library: Requested _____		_____
Auditorium: Requested _____		_____
Stage: Requested _____		_____
Gym: Requested _____		_____
Office Space: Requested _____		_____
Music: Requested _____		_____
Art: Requested _____		_____
Science Labs: Requested _____		_____
Entrance: Requested _____		_____
Hallways: Requested _____		_____
Storage Areas: Requested _____		_____
Cafeteria: Requested _____		_____
Athletic Areas: Requested _____		_____
Outside Areas: Requested _____		_____
Paving (\$200,000 to 500,000): Requested _____		_____
Flooring: Requested _____		_____
Painting: Requested _____		_____

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Site(s)	Cost(s)
Ceiling Tile: Requested _____	_____
Interior Doors & Locks: Requested _____	_____
Restrooms: Requested _____	_____

Fencing: Requested _____	_____
Building Code Compliance: Requested _____	_____

Physical Education & Athletic Areas: Requested _____	_____

Locker Rooms: Requested _____	_____
Exterior Walls: Requested _____	_____

Foundation: Requested _____	_____
Asbestos Removal/containment: Requested _____	_____

Sidewalks: Requested _____	_____
Gutters: Requested _____	_____
Canopy: Requested _____	_____
Tornado Shelter: Requested _____	_____
Other _____ Requested _____	

RENOVATIONS SUBTOTAL REQUESTED _____

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EQUIPMENT

	Site(s)	Cost(s)
Boiler: \$150,000 to 350,000 Requested		_____
Boiler conversion to dual fuel: \$75,000 Requested		_____
Security Cameras & installation (inside and/or outside) \$15,000 to \$50,000 Requested		_____
HVAC System \$250,000 to 400,000 Requested		_____
Physical Education/Athletic/Playground Equipment (including Bleachers) Requested		_____
Intercom System \$12,000 to 30,000 Requested		_____
Furniture Requested		_____
School Buses, small - \$60,000 or large with alternative fuel \$90,000 Requested		_____
Kitchen Equipment Requested		_____
Lawn/Snow removal/Maintenance Equipment Requested		_____
Elevator \$150,000 to 300,000 Requested		_____
Ramps/Lifts for Accessibility Requested		_____
Industrial Arts/Vocational/Robotics/Art/Music Equipment Requested		_____
Other: _____ Requested		_____
EQUIPMENT SUBTOTAL REQUESTED: \$ _____		

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TECHNOLOGY

	Site(s)	Cost(s)
WiringⓈ\$30,000 +)	Requested	_____
Computer Servers:	Requested	_____
Mainframe Computer:	Requested	_____
Cooling for Computer Rooms:	Requested	_____
Computers:	Requested	_____
Laptops:	Requested	_____
Phone System:	Requested	_____
Copiers/Printers/Scanners/Fax:	Requested	_____
Tablets/Ipads:	Requested	_____
Computer Labs (\$75,000 to 100,000):	Requested	_____
Classroom Work Stations:	Requested	_____
Smartboards:	Requested	_____
Document Cameras:	Requested	_____
Digital Signboards:	Requested	_____
Laptop Carts:	Requested	_____
Palm/finger scan readers (attendance, cafeteria, doors, etc.)	Requested	_____
Security Systems, Cameras, etc.:	Requested	_____
Other	Requested	_____

TECHNOLOGY SUBTOTAL REQUESTED: \$ _____

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ENERGY EFFICIENCY (Renovations/Repairs/Replacement)

	Site(s)	Cost(s)
Roof(s) \$100,000 to \$750,000 Requested		_____
Windows (and blinds) \$200,000 minimum Requested		_____
Lighting and Ballasts Requested		_____
Motion Detectors \$5000 to 15,000 Requested		_____
Doors \$18,000 to \$40,000 Requested		_____
Insulation Requested		_____
Timers (automatic to plug-ins) \$2000 up Requested		_____
Heat Pump(s) Requested		_____
Plumbing Requested		_____
Water Fountains Requested		_____
Septic System Requested		_____
Water Heaters Requested		_____
Energy Efficient athletic surfaces \$500,000 to \$2,000,000 Requested		_____
Energy Performance Contracts [sensors & computer controlled, Physical modifications or behavioral (ex., Cenergestic Inc.)] Requested		_____
Other		Requested _____

ENERGY EFFICIENCY SUBTOTAL REQUESTED \$ _____

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RENEWABLE ENERGY

Site(s)

Cost(s)

Solar Panels (May also be able to sell excess electricity) \$300,000 to \$1,000,000 Requested _____

Geo-Thermal \$800,000 to \$1,200,000 Requested _____

_____ Wind Turbines Requested _____

"Rain Barrel" Technology (rain water collected for flushing commodes, landscaping, etc.) \$60,000 to \$500,000

Requested _____

Other _____ Requested _____ RENEWABLE ENERGY

Cumulative of all SUBTOTALS (Add these subtotals)

Renovations Subtotal: \$ _____

Equipment Subtotal: \$ _____

Technology Subtotal: \$ _____

Energy Efficiency Subtotal: \$ _____

Renewable Energy Subtotal: \$ _____

CUMULATIVE SUBTOTAL*:\$ _____

ISSUANCE COSTS (if any, bond attorney, bank fees, etc. up to 2% of above cumulative subtotal)]

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Requested cumulative subtotal* \$ _____ X 2% =
\$ _____ *(Issuance costs)

Cummulative Subtotal * \$ _____ Plus (+) Issuance Costs* \$ _____ =
Major Subtotal: \$ _____ **

ACADEMY CURRICULAR MATERIALS & TRAINING (5% of Major Subtotal PER YEAR) Each year of the partnership, the National Educational Foundation will contribute a 10% match contribution up to five years or **up to a 50% match contribution which is five times the required match.** From an educational standpoint; a five year partnership will yield the most advancement in student achievement and from a financial standpoint; a five year partnership will generate the highest match contribution. School districts that work with the National Education Foundation (NEF) can determine what works best in terms of the number of years and the amount of the contribution. Thus, NEF is a unique partner offering flexibility. More options are also available by contacting Vice-President Dr. Art Stellar.

What follows is the implementation surcharge of 5% per year which is to be included in your QZAB application and is paid from the sale of QZAB bonds (although it can be paid from other sources, if desired or necessary).

Requested # of yrs.: 1 (5%) 2 (10%) 3 (15%)

4 (20%) 5 (25%).

 Years x 5% = % x major subtotal**: \$ = Academy

Subtotal: \$

GRAND TOTAL for QZAB BUDGET REQUEST

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Major Subtotal including issuance cost**: \$_____

Plus (+)

Academy Subtotal: \$_____ equals (=)

GRAND TOTAL: \$_____

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