



**NYSSBA'S  
91<sup>ST</sup> ANNUAL  
CONVENTION  
& TRADE SHOW**  
**OCT 21-24, 2010**  
**NEW YORK CITY**

# **Engaging All Students Through Career Pathways and Career Readiness**

Presented by: Gene Silverman  
Executive Director CTE



# The 21<sup>st</sup> Century Comes to a 20<sup>th</sup> Century “Brick and Mortar HS”

- The “new” CTE: “hard tech vs. soft tech”
- Why the models make a difference: meet the millenials (and future generations) where they are – in the world, always
- See Ian Jukes 21<sup>st</sup> Century Fluencies
- All learners, integrated academics, high tech (ISTE Technology Standards), beyond the walls
- From electives to 9 – 12 Career Academies and everything in between!

# Reflection for your district.....

- Picture the graduate
- What is it you most want for them – what is the ideal “13<sup>th</sup> year”?
- Clarify: exactly what behaviors, attributes, character qualities, skills, understandings are most important?
- Does your high school give that to all students now? For today’s world?



# Engage students to explore and define themselves.....

- Prepared and Ready: for....college, careers, community
- Starting in 8<sup>th</sup> grade focus on the 13<sup>th</sup> year....and make choices so as to realize it
- Why CTE Program Approval makes a difference....
- Some models to consider....



# Senior Year Network



- Senior Projects – real world project based inquiries
- Based on Ted Sizer’s Essential Schools
- Like Science Research but about careers/future studies
- Projects/Internships/Research/Mentors
- Credits and/or requirements:

Elective ½ credit; Senior Seminar linked to English Business course; 25 hours required Service; English 12; interdisciplinary: English/Part. In Gov’t/Eco, “role of individual responsibility in society”, Social Studies, etc.

- Senior Projects Fair: sharing student work
- Professional development for teachers
- Principal support/professional development



# Virtual Enterprise

- International model
- VE NYC – Iris Blanc
- Students run a virtual business (1 year, double block period)
- Students take all corporate roles, receive training
- CTE Program Approval, integrated English and Economics
- 21<sup>st</sup> century, global business
- Trade Show, Business Plan competitions

# ORACLE<sup>®</sup>

# ACADEMY



Connecting, Creating, & Sharing

- <http://www.oraclefoundation.org/>
- The Oracle Academy is a cutting-edge program that provides global education institutions with industry-leading software, curriculum, support, and certification resources that faculty can integrate into their classrooms. As a result, students gain hands-on experience with the latest technologies and develop skills that help them excel in the 21st century workplace.

# ORACLE®

# ACADEMY

- IT and Business Career Preparation
- Certification Resources
- Faculty Professional Development
- Curriculum and Training Resources
- Database, Middleware, and Enterprise Applications
- Hosted Technology
- Program and Technical Support

# Career Academies

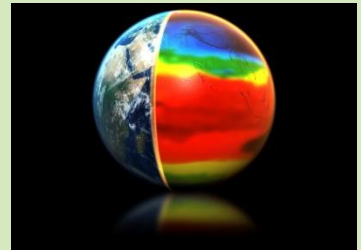


- ✓ Create motivated students
- ✓ Invigorate teachers
- ✓ Prepare students for successful post-secondary education
- ✓ Prepare students to enter the workforce
- ✓ Develop early connections to local companies

Ford PAS video <http://www.youtube.com/watch?v=j-u7d9loUSM>

# Career Academies

- Most comprehensive school reform model
- From 1 CTE credit to 9 – 12 complete integrated curriculum/instruction (with Regents prep embedded)
- Industry and college partners a must
- External activities, internships
- Five clusters:



Green Energy      Engineering      Global Business  
Technology BioScience and Health Care

# Getting Started: Career Academies

- Create **Regional Industry Councils** for each academy
- Deliver **Ford PAS** (Partnership for Advanced Studies) curriculum
- Offer ongoing support and resources for CA program
- Support programs with both education and business consultants through the Ford Motor Company Fund
- Create cohort group of students – at least 1 core course and 1 CTE course
- Support Academy through professional development, such as curriculum writing
- Publicize program to parents and community members



An academic high school program bringing students together with both university and business professionals



# Career Academies

These high schools imagine that five years from now all high school students have choices of several CA's, one of which would be a "liberal arts" sequence, as well as a "traditional high school path".

For more information, contact:

LI Works [www.liworks.org](http://www.liworks.org)

Baldwin, Massapequa, East Islip, East Meadow districts on Long Island.



NYSSBA'S  
91<sup>ST</sup> ANNUAL  
CONVENTION  
& TRADE SHOW  
OCT 21-24, 2010

# E-Resume/E-Portfolios/ Career Readiness Credentials

- Mydigitalresume.com will grow into an eportfolio as items in the resume become interactive media links.
- Xtremeinternship: a virtual career exploration activity using the Holland code and free, validated resources: careerzone, exploratory tools.
- Readiness credential



NATIONAL  
CAREER READINESS  
CERTIFICATE

# 21<sup>st</sup> Century Scholars

- Choose 21<sup>st</sup> century skills or fluencies that your community values and wants to measure
- Identify what learning activities demonstrate those skills and standards of measure
- Assess and record “grades” (aligned in student system)
- Decide on the standards of measure that a student must meet to achieve a 21<sup>st</sup> century scholar recognition

# Service Learning

- Re-invent and expand an old model
- Millennials are very global and service oriented
- Use service activities to strengthen academics (writing, research), career exploration, internships, Senior Network, global awareness, 21<sup>st</sup> century skills (almost all are present in a Service Learning activity!) – measure and record achievement



# Planning for your district....

- Decide to add student 21<sup>st</sup> century or career readiness outcomes to achievement measures
- Measure in your student system, give certificates (credentials), honor achievements, make these value standards of your community
- Find leaders: administration and/or teachers; develop them, create alternative HS schedules (block periods)
- Build the systems and assessments that measure student outcomes

# Planning continued

- Choose the first model (these or others)
- Allow for “noble failure”: modify and adjust
- Consult with your Perkins and CTE BOCES folks, seek experts and resources online
- In most cases, costs are primarily for staff training and curriculum development
- Give teachers and students leadership roles
- Use modern communication, 21<sup>st</sup> century technologies

# Planning continued.....

- Engage parents: they know what they want for their children – and a successful, independent 13<sup>th</sup> year is probably it!
- Set realistic goals and target the summer before an implementation to put the change in place: for example, for the 2011-12 HS course catalog, what will be different? 2012-13? In five years, what will we be offering our students as career/personal development options?
- Budget accordingly – find resources to help: it's a multi-year, long term change commitment

# Places to look.....

- [gsilverm@mail.nasboces.org](mailto:gsilverm@mail.nasboces.org)
- [www.nassaubocesperkins.org](http://www.nassaubocesperkins.org)
- [www.veinternational.org](http://www.veinternational.org)
- [www.nysed.gov/cte](http://www.nysed.gov/cte)
- [www.careersmarts.com](http://www.careersmarts.com)
- [www.careerzone.org](http://www.careerzone.org)
- <http://www.21stcenturyfluency.com/fluencies.cfm>
- <http://www.fordpas.org>



When I see a graduate, I see.....



NYSSBA'S  
91<sup>ST</sup> ANNUAL  
CONVENTION  
& TRADE SHOW  
OCT 21-24, 2010

The NYSSBA logo consists of a stylized human figure with arms raised, composed of several overlapping curved lines in shades of green, blue, and orange. Below the logo is the text "NYSSBA'S 91<sup>ST</sup> ANNUAL CONVENTION & TRADE SHOW" in a bold, black, sans-serif font, followed by the dates "OCT 21-24, 2010" in a smaller, green, sans-serif font.



Innovate, Engage, Inspire



Ian Jukes: The Committed Sardine

<http://www.21stcenturyfluency.com/fluencies.cfm>

# Engaging All Students Through Career Pathways and Career Readiness

Presented by: Gene Silverman

Executive Director CTE

[gsilverm@mail.nasboces.org](mailto:gsilverm@mail.nasboces.org)

516.396.2390