NYS P-TECH

New York State Board of Regents

June 23, 2014
NYS P-TECH
Public-Private Partnerships for College and Career Readiness

Consortium Types

- Manufacturing
- Clean Technologies
- Advanced Manufacturing
- Health-Tech & Manufacturing
- Information Technology
- Mechanical Engineering
- Science, Technology, Engineering & Math (STEM)
- Health Care
- Computer Systems Technology & Computer Information Systems
- Computer Information Technology, Engineering and Health & Green Building Technology
- Agri-Business & Advanced Manufacturing
- Architecture
NYS P-TECH Planning Year

Program Planning
Skills Mapping & Course Alignment
Scope & Sequence

Leadership & Staff
Recruiting Staff, Identifying Resources & Mentors
Professional Development

Students
Parent Outreach
Recruitment
Professional Development

• Convening in Albany – November & May
• Calls for school leaders – monthly
• Call for business leaders – quarterly
• Visits to P-TECH in Brooklyn, 5 conducted
• Consultations with planning teams – 4 times to date for each team
• Joint session for Greater Capital Area with Pathways to Prosperity/Jobs For the Future
• Resources and Partners
Industry commitments

- Curriculum skills mapping
- Workplace Learning curriculum
- Mentors for all students
- Workplace experiences:
  - Speakers
  - Worksite visits
  - Job shadowing
- Internships
- First in line for jobs
NYS P-TECH: NEW MODELS

Design Principles

Innovation ↔ Customization
Policy Issues

- Fidelity to the Model, 9th Grade
- Leveraging BOCES in rural areas
- Integrating college courses
- Tuition for college courses
- Enhanced workplace experience
- Accountability & completion standards
- P-TECH Designation
DISCUSSION

YOUR QUESTIONS?
BACKGROUND MATERIALS
NYS P-TECH Awardees

- 16 Partnerships; >6000 students
- Serving all 10 economic regions
- Partners include:
  - 16 Lead School Districts
  - 11 BOCES Implementing Leads
  - Another 60+ participating School Districts
  - 19 Colleges – 17 Public/2 Private
  - More than 50 named employers plus three regional business associations
NYS P-TECH
KEY BENEFITS FOR STUDENTS

• Rigorous, relevant “grades 9 to 14” education for STEM careers;
• Workplace learning, e.g. professional mentors, worksite visits & internships
• Individualized support & pathways;
• Cost-free AAS degree in a STEM field; AND
• First in line guarantee for a job with business partners at graduation
PROGRAM ELEMENTS

• Integrated six year curriculum
• Redesigned scope and sequence
• Attention to academic, technical & workplace mastery
• Integrated instruction & project-based learning
• Individual pathways
• Extended time in the daily/weekly schedule and annual calendar
• Support services and community resources
• Ongoing, collaborative professional development
UNIQUE SCHOOL DESIGN

• Focus on College
  – Common Core State Standards
  – High expectations & college culture
• Focus on Careers
  – Skills mapping & backwards planning
  – Workplace learning & authentic PBL
• Focus on Students
  – Serves students across academic levels
NYS P-TECH WILL ALSO:

• Develop programs of study in high-wage, high-skill, high-demand career areas;
• Align school, college and community systems;
• Promote appropriate career choice and preparation; AND
• Ensure that employers in key industries have access to a talented and skilled workforce.
Workplan, July – Dec 2014

• Summer (July – August 2014)
  – Launch (including communications strategy) & document Summer Bridge Programs
  – Trouble shoot outstanding issues for program launch;
  – Implement necessary accountability measures for new 9-14 design;
  – Review proposals and select Cohort 2 partnerships; and
  – Develop communications strategy for school opening.
Webinars

- Skills Mapping (IBM)
- Developing an Integrated 6 Year Scope & Sequence (CUNY)
- Projects to Inquiry Based Learning, Leveraging Career Content (Clarkson U.)
- Partnering with Local Employers, Nurturing the Most Productive Relationships (Urban Assembly)
- Care and Feeding of an Effective Steering/Planning Committee
- Using Data for Continuous Improvement: Lessons from Collective Impact (Cradle2Career Network)
- Career Clusters and effective strategies to develop Career Pathways and Curriculum (NASDCTEc)
- Online Mentoring Platform; Available to all NYS P-TECH Partnerships (IBM and I Could Be)
Workplan, Continued

• Fall (September – December 2014)
  – Launch new schools;
  – Announce Cohort 2 partnerships
  – Convene Cohort 1 and 2 partnerships in Albany;
  – Conduct professional development, inter-visitations & mentoring among teams;
  – Enhance online network for trouble shooting & continuous improvement across the network;
  – Continue webinars and regular team calls; and
  – Implement monitoring & accountability measures.