NYS P-TECH
Innovation for Student and Economic Success
A Grade 9-14 Model
OPPORTUNITIES + EVIDENCE

Reimagine secondary education

Focus on middle jobs

Enhance CTE

Introduce college early; focus on degree

Quality CTE provides significant gains, especially for young men of color

Early college programs increase graduation and college success rates

30% of job openings require an AA/AAS
CHALLENGES

- HS diploma no longer valuable
- Jobs left unfilled; economy lags
- Young adults unprepared for the future

EVIDENCE

- 2/3 of job openings require > HS diploma, AA adds 24% to lifetime earnings
- By 2020, NY will need 350,000 middle skill workers
- Only 35% graduate in 6 years; 50% require remedial courses in college
DESIGN PRINCIPLES

1. Middle Jobs are the Sweet Spot
2. Motivation = Real Jobs
3. Career-Infused PBL Drives Mastery
4. College Credits = New Aspirations and Skills
5. Cost-Free Degree Changes the Odds
6. Time is Priceless
7. Partnership Drives Impact
THEORY OF ACTION

Unique School Design
- Focus on CAREERS
- Focus on COLLEGE
- Focus on STUDENTS

Program Elements
- Skills mapping: scaffolded Work Based Learning
- 6 year integrated scope & sequence; college culture
- Multiple pathways to include students across academic levels

Benefits for Students
- First in line job guarantee
- Cost-free AA/AAS degree
- Foundation for future options

Benefits for Community
- Robust local talent pipeline
- Proven programs of study
- Aligned education, workforce & support service systems
STAGES OF DEVELOPMENT: FOCUS ON CAREER

**Program Elements**
- **Skill Mapping**
  - Skills Map Developed
- **Career Infusion**
  - Several instructional modules with career theme
- **Work Based Learning**
  - Mentors assigned & worksite visits scheduled

**Baseline Program**
- Process for annual review w/1st line managers and industry experts

**Mature Program**
- Instructional offerings leveraging career focus throughout the curriculum

**Examples**
- Survey managers; Faculty job shadowing

**Outcomes**
- Actionable understanding of labor market
- Students demonstrate Professional Skills at highest levels
- Students receive highest performance ratings from supervisors

NYS P-TECH
Public-Private Partnerships for College and Career Success
STAGES OF DEVELOPMENT: FOCUS ON COLLEGE
STAGES OF DEVELOPMENT: FOCUS ON STUDENTS

1. Program Elements
   - Baseline Program
   - Mature Program
   - Examples
   - Outcomes

2. Multiple Pathways
   - Differentiated instruction offered
   - Individualized scheduling and personalized college/career counseling
   - Opportunities for additional support from school and community resources; innovative scheduling
   - Students, at every academic level, complete HS&AA/AAS degrees at rates substantially higher than district

3. Professional Development
   - Time scheduled for curriculum development/program planning
   - Regularly scheduled time for faculty (college & HS) to review student progress and instructional practices
   - Common planning periods, process for student progress review
   - Faculty performance and retention at highest levels

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Public-Private Partnerships for College and Career Success
NYS P-TECH: NEW MODELS

Design Principles

Innovation

Customization