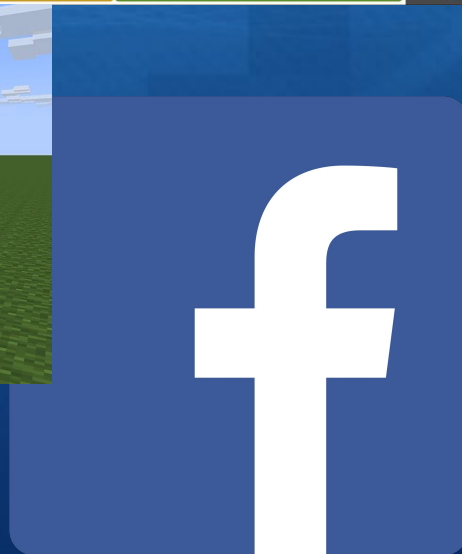
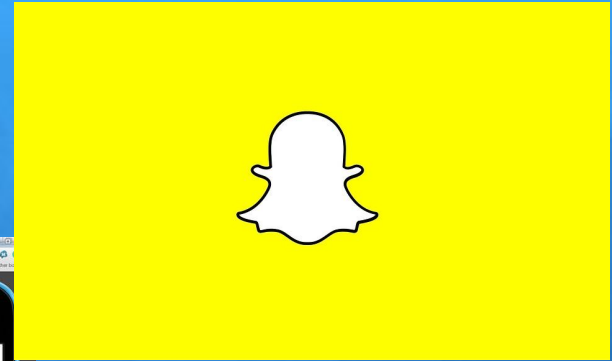




# Early College Studies (ECS) at Stamford High

*Providing Technology & 21st Century Learning Skills to be successful in high school, college and the workplace*





**OpenEMR**



**IBM Watson**

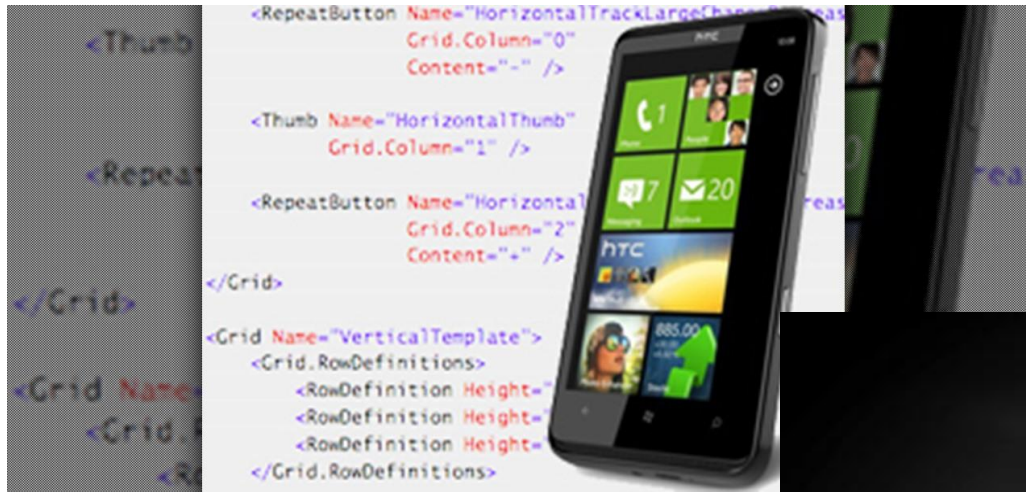
# What is Early College Studies?

- Opportunity to earn HS Diploma & Associate Degree in Computer Science
- Active Learning in a “College Environment”
- 1:1 Chromebook initiative
- Hands on opportunities: extended day & summer program
- 4 to 6 year program possibilities





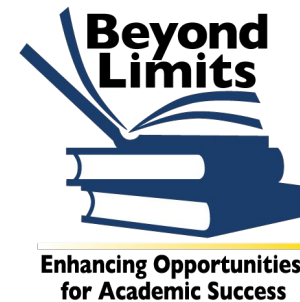
# Mobile Programming & Software Engineering



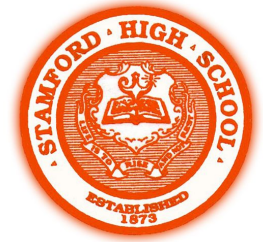
## **Mobile Programming and Software Engineering:**

|         |                              |
|---------|------------------------------|
| CSC 108 | Introduction to Programming  |
| CSC 233 | Database Development I       |
| CSC 262 | Programming Mobile Devices I |
| CST 153 | Web Development and Design I |
| CST 255 | XML for the WWW              |
| EGR 111 | Introduction to Engineering  |

# The ECS Partnership







# The ECS Partnership: Facility



- 5th floor remodel
  - 3 classrooms
  - 1 flex space room
  - college environment
- courtyard remodel

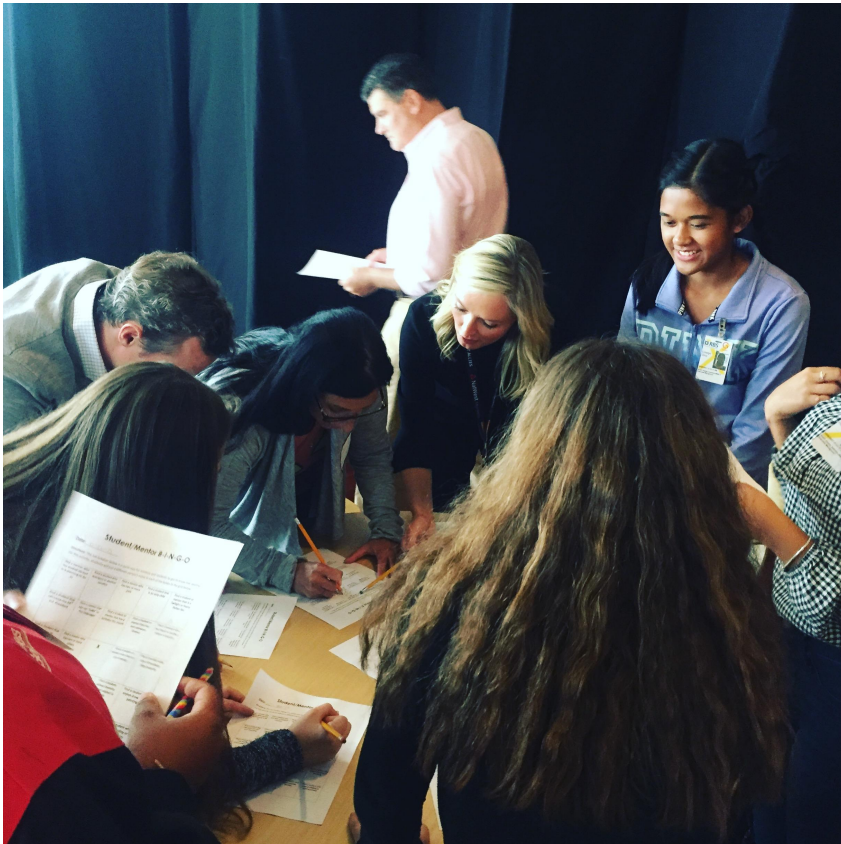


# The ECS Partnership: College



- oversees faculty and degree requirements
- facility for off-SHS campus college environment

# The ECS Partnership: Mentoring



- Public Speaking
- Networking
- Resume and Cover Letter Writing
- Interviewing
- Collaborative Competitions



# The ECS Partnership: Internship



- paid local internship summer before senior year at SHS



# The ECS Partnership: Enrichment



- 1 week summer program
  - sessions in technology, finance, mindfulness, math & more
  - team-building
  - trips
  - Chromebook onboarding
  - lunch provided



# Culture of Support



## Academic Support

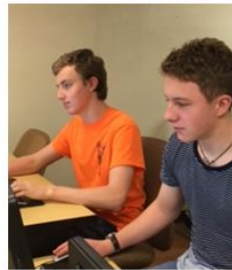
### After-School Tutoring/Homework Help



Mondays  
2:15-3:15 p.m.



Tuesdays  
2:15-3:15 p.m.



Thursdays  
2:15-3:15 p.m.

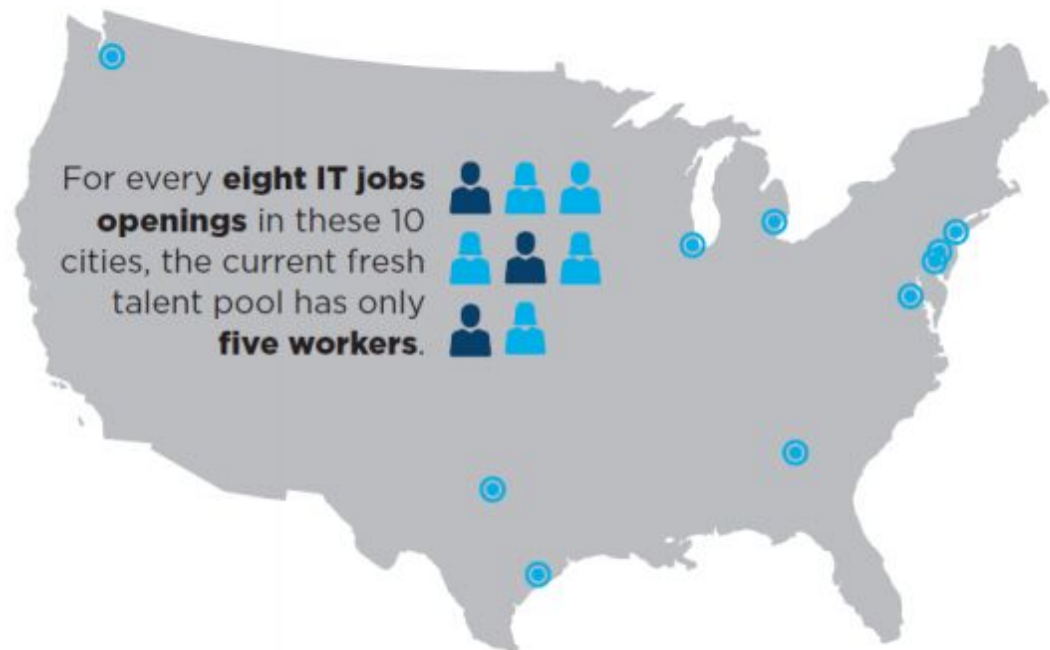


## Recovery-Acceleration-Enrichment

# IT Skills Gap

- Nearly 40% of IT jobs can be done without a four year degree.
- The skills necessary to thrive in many of the middle and entry-level IT jobs can be mastered with accelerated technical training.

1. New York
2. Washington, DC
3. Philadelphia
4. Atlanta
5. Chicago
6. Detroit
7. Dallas
8. Houston
9. Seattle
10. Baltimore



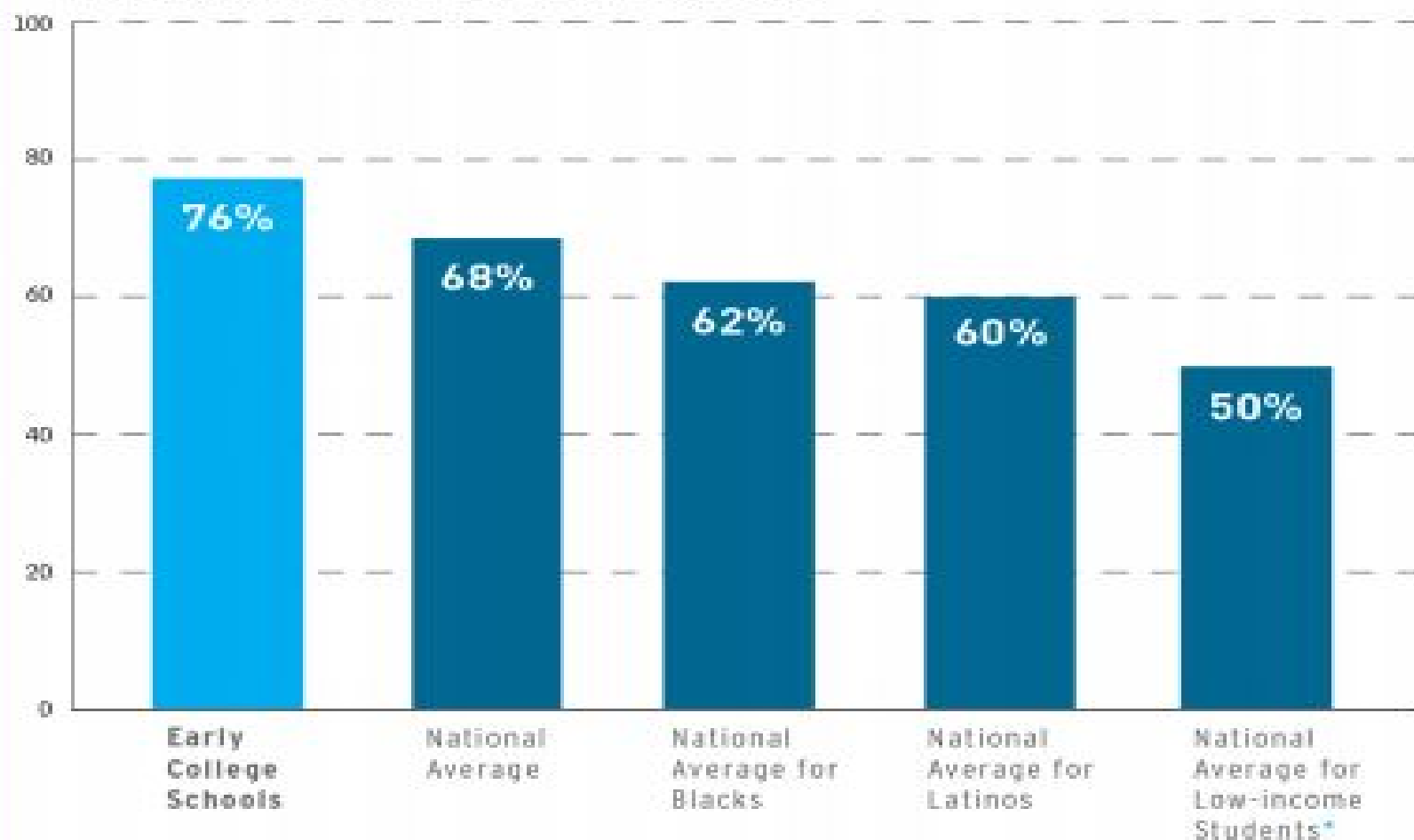


## EXAMPLES OF JOBS THAT REQUIRE MIDDLE SKILLS

| Sector                           | Type of Job                       | Number of Openings | Median Annual Pay |
|----------------------------------|-----------------------------------|--------------------|-------------------|
| Computers & IT                   | Computer Support Specialists      | 607,100            | \$46,260          |
| Engineering                      | Electrical Technicians            | 151,000            | \$56,040          |
| Health Care                      | Respiratory Therapists            | 112,700            | \$54,280          |
| Life, Physical & Social Sciences | Environmental Science Technicians | 29,000             | \$41,380          |
| Production                       | Semiconductor Processors          | 21,100             | \$33,130          |

Source: "Who Can Fix the Middle Skills Gap?" Harvard Business Review, 2012, T Kochan, D Finegold, P Osterman  
Data from Occupational Outlook Handbook, U.S. BLS, 2010

## PERCENTAGE OF GRADUATES ENROLLING IN COLLEGE IMMEDIATELY AFTER HIGH SCHOOL

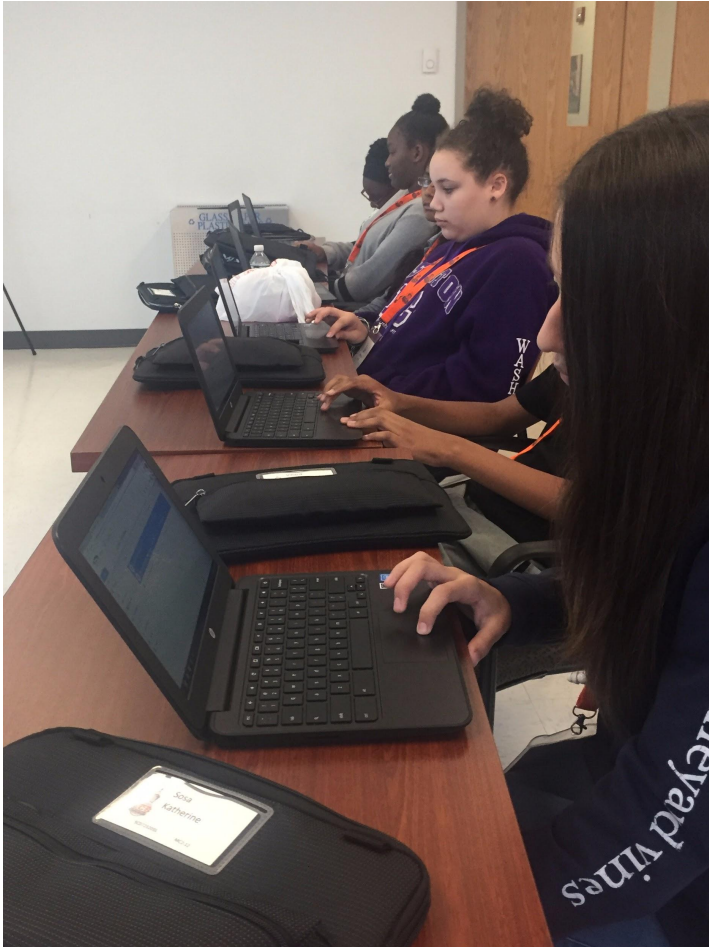


\* Low-income students refers to the bottom 20 percent of all family incomes.

SOURCES: Jobs for the Future (2012); and National Center for Education Statistics (2010).



# Application Process



- online application opens in February 2018
  - short student essay
  - counselor consultation
  - faculty consultation
  - 10-minute interview
- 50 spots available
  - wait-list created

# THANK YOU!

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