Meeting Recap

- The meeting was convened by Celena Roebuck, Manager, Community Engagement & Education, who welcomed Task Force members and introduced Sylvia Strobel, Chief Operating Officer, ideastream.

- Sylvia Strobel welcomed Task Force members on behalf of ideastream and introduced Mark Rosenberger, Chief Content Officer, ideastream.

- Mark Rosenberger provided background on Ohio’s gubernatorial race, the inclusion of jobs as part of the leading candidates’ agendas, and the importance of reaching out to these candidates as the November election approaches. Mark then unveiled the first Ohio Collaborative American Graduate initiative: Talking Jobs with Ohio’s Next Governor.

- The Target Audience for this event is students and young adults, ages 16-26, and their influencers
- This is an interactive, livestream event.
- Livestream: www.ideastream.org/TalkJobs
- Students are encouraged to bring their phones and post questions for Ohio’s next governor.
- Live audience seats are available for individuals in the target audience.
- Please contact Celena.Roebuck@ideastream.org to register your group for this event.

- Celena Roebuck distributed sign-up sheets, allowing Task Force members to commit to participate (and provide audience members) in the live event.

- Three Best Practices presentations were shared by Task Force Members:
  Presentations appear as an addendum to the meeting recap.
  
  - Early College Early Career – A Pathway to opportunity that fuels our economy
    Presented by: Ethan Karp, President and CEO, MAGNET

  - Northeast Ohio HIT (Health IT) Talent Collaborative Best Practices
    Presented by: Grady Burrows, Director, Health IT Talent, BioEnterprise

  - The Wickliffe Student Ten Year Plan for Future Ready Students
    Presented by: Joseph Spiccia, Superintendent, Wickliffe City School District

Next Meeting: December 4, 2018 | 9:00 a.m. – 10:30 a.m.
American Graduate
Task Force Participants
September 4, 2018

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Early College Early Career – A pathway to opportunity that fuels our economy

September 4, 2018
Introduction

Manufacturing is critical to Northeast Ohio – past, present and future
Why now? Thousands of important jobs unfilled

THE X FACTOR

THE MULTIPLIER EFFECT
FOR EVERY DIRECT FACTORY JOB
A NUMBER OF INDIRECT JOBS RESULT

ADDITIONAL JOBS
SUPPLIERS
TO THE FACTORY

ADDITIONAL JOBS
WHERE WORKERS
SPEND THEIR MONEY

AVERAGE MULTIPLIER IS 4.6 ADDITIONAL JOBS
FOR AN AVERAGE (FAIRLY PAID) FACTORY WORKER.
The Opportunity

Good open Jobs + Opportunity in Urban Core

And more
The solution: Leverage what already exists to create a Youth Apprenticeship program

[Diagram showing the following relationships:
- Early College
- Early Career
- High Schools
- Community Colleges
- Companies
- Support Organizations]
Some individual pieces exist today

- Career Awareness
- Soft skills
- Mentoring
- Earn & Learn
- Certifications

College Credit +
Together and more makes ECEC the solution

- Parent engagement
- Works in any school
- Year-round in company
- Builds to associates degree
- Path to journeyperson

9th Grade Awareness
10th Grade Intro
11th/12th Grade Immersion

Career Awareness
College Credit +
Soft skills
Mentoring
Earn & Learn
Certification
1st in the US
What is the program?

9th Grade Awareness

10th Grade Intro

11th/12th Grade Immersion

Generate interest:
- Assemblies
- Plant Tours
- Shadowing
- More
What is the program?

9th Grade Awareness

10th Grade Intro

11th/12th Grade Immersion

Interview with company at end of 10th

Intro Curriculum:
- Soft skills
- Shop Safety
- Applied Math
- Blueprint Reading

MAGNET

Ohio Manufacturing Extension Partnership
What is the program?

- **9th Grade Awareness**
- **10th Grade Intro**
- **11th/12th Grade Immersion**

**Job, certification & on path to associates degree upon graduation**

**What is the program?**

**(Pre)-Apprentice:**
- 8 hrs in company/wk
- 8 hrs earning credit/wk
- Mentorship @ company and school
- Transportation provided

*Job, certification & on path to associates degree upon graduation*
The Impact: Better Student Outcomes

- More likely graduation due to:
  - Mentorship
  - Earn & Learn
  - Practical connections
  - Certifications
  - Work-experience on resume
  - Up to 15 College Credits
  - Likely job offer
  - Fast-tracked career
  - Transferrable skills
The Impact: A Pathway Out of Poverty

- Median Household Income
- Entry Machinist Salary + Benefits
- Average Manufacturing Salary + Benefits

- $10,000
- $20,000
- $30,000
- $40,000
- $50,000
- $60,000
- $70,000
- $80,000
Current programs are good:

- Fast-track training
- Career and Technical High Schools
- Certification and degree programs from training providers
The Impact: Solution to Manufacturing Pipeline Issues
The Impact: Revitalized Communities Through Job Access and Preparation

- Lower unemployment rates, particularly in the urban cores
- Increase our skilled workforce
- Increase employee retention & company retention
- Increased high school graduation rates
Why MAGNET?

- Mission
- Experience
- Partnerships with:
  - Manufacturers
  - Education
  - Service Providers
  - State
  - Others manufacturing groups
- Manufacturer Voice and Knowledge
Where are we and where are we going?

2017-2018: 45 students

2018-2019

100 students

Expand to

East Tech

and

Warrensville Hts

2019 and beyond

Graduate 1st cohort

Grow enrollment to 100s
Great momentum going into the second year of internships (3rd program year)

Pioneer Sponsor

Bank of America

Many more supporters
Thank you!

“Magnet is a great example of how public-private partnership has created American business, employed Americans, and started to export.”
Northeast Ohio HIT (Health IT) Talent Collaborative Best Practices
Health IT Talent Convening Mission:
To grow and diversify the local pipeline of highly skilled computer science and data science talent to support NEO’s vibrant Health IT industry
## HIT in the CLE Best Practices

<table>
<thead>
<tr>
<th>Best Practices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address a burning platform pain point</td>
</tr>
<tr>
<td>Focus on a couple of critical skill gaps</td>
</tr>
<tr>
<td>Industry and educators working collaboratively</td>
</tr>
<tr>
<td>Elevate the work of ‘HIT in the CLE’</td>
</tr>
<tr>
<td>Work and decisions are made during the convening meetings</td>
</tr>
<tr>
<td>Fail fast, fail cheap</td>
</tr>
<tr>
<td>Have funder as an integral part of the process</td>
</tr>
</tbody>
</table>
## HIT in the CLE Core Strategies

<table>
<thead>
<tr>
<th>Core Strategies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increase local student <strong>interest</strong> and <strong>awareness</strong> in Health IT software developer and data science careers</td>
</tr>
<tr>
<td>Expand high school student <strong>access</strong> to relevant computer science curriculum</td>
</tr>
<tr>
<td><strong>Retain</strong> local undergraduate computer science and data science students</td>
</tr>
<tr>
<td><strong>Scale</strong> improvements in Northeast Ohio’s talent pipeline</td>
</tr>
</tbody>
</table>
HIT in the CLE Impactful Results Made On Cuyahoga County Public High School Students ~ 50K

2016 - 2017

- Two Relevant CS Courses
- One Relevant CS Course
- No Relevant CS Courses

2017 - 2018

- Two Relevant CS Courses
- One Relevant CS Course
- No Relevant CS Courses
- Direct Student Impact

12,200 students in our region benefited from HIT in the CLE work
## Current Year Programs

<table>
<thead>
<tr>
<th>Core Strategy</th>
<th>Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Access</strong></td>
<td>Expand Access Of A/P CS (A) Within CMSD And First Ring Suburban High Schools</td>
</tr>
<tr>
<td><strong>Access</strong></td>
<td>Launch Community Classroom Out Of The Global Center Utilizing Hyland’s Hy-Tech Club Curriculum</td>
</tr>
<tr>
<td><strong>Retention</strong></td>
<td>Pilot Learn &amp; Earn Undergraduate Model</td>
</tr>
</tbody>
</table>

![TEALS Logo](image)  
**TEALS**  
*Computer Science in Every High School*

![Hyland Logo](image)  
**Hyland**

![PartSource Logo](image)  
**PartsSource**

![IBM Watson Health Logo](image)  
**IBM Watson Health**

![MetroHealth Logo](image)  
**MetroHealth**
For Additional Information
Please Visit Our Site
hitinthecele.com
The Wickliffe Student Ten Year Plan
Future Ready Students

WVIZ Ideastream
Workforce Taskforce
September 4, 2018
Economic Prosperity and Lake County

• NE Ohio
  – Ranking among the 40 largest metropolitan areas in the Country
  – Population change among the 40 largest metropolitan areas in the Country

• Lake County
  – Population
    • 25% Under 18
    • 31% Over 55
  – Education
    • Current Status
      – Post Secondary Credential-40%
      – BA or Better- 27%
    • State of Ohio- Attainment 2025
      – Post Secondary Credential- 65%
The Student Ten Year Plan

- Future Ready Programming
  - Ten Year Plan
    - Entrepreneurial Programming
    - Problem Based Learning
    - The Exchange
    - Learn, Lead, Serve
    - Early College Early Career
    - IT Pathways
    - NextWork
    - ODE Strategic Plan
  - Family Resource Center