



# NCWORKS COMMISSION

FEBRUARY 14, 2018

# Welcome and Opening Remarks

Kevin Trapani  
Chair

NCWorks Commission

NCWORKS  
COMMISSION



Please select which organization you represent:

Local workforce development board

Department of Commerce

Community College

Public Schools

Business

Other



Shawn Brown  
Christopher Gergen  
Sergi Roura  
Ronnie Smith  
Pam Townsend  
Kevin Trapani  
Hope Williams

NCWORKS  
COMMISSION

**Governor  
Roy Cooper**



# Work-Based Learning



**Caroline Sullivan**  
**Executive Director**  
**NC Business Committee of Education**

**NCWORKS**  
**COMMISSION**



NCBCE

# The Two-Sided Problem

Many individuals lack the training and education necessary to obtain middle-class jobs.

In order to meet the state's middle-skills job demands of 2025, NC will need nearly 520,000 more workers with some form of a postsecondary credential or degree.

During the recovery, 8.4 million jobs requiring a bachelors degree have been added to the economy, while only 80,000 jobs requiring a high school degree or less have been added (after losing 5.6 million).

Only 1 out of every 5 high schools (18%) in NC offers AP Computer Science.

40% of companies nationwide report they cannot find the entry level workforce they need

According to a recent Georgetown study, 67% of all available jobs by 2025 will require some post-secondary education.

STEM related jobs are expected to grow at double the rate of non-STEM jobs. These jobs will require education beyond high school.

There are more than 16,000 open information technology jobs in NC with an average annual salary of nearly \$89,000.



**Top needs of NC employers:**

- ✓ Technical skills
- ✓ Credentials
- ✓ Soft skills
- ✓ Experience

↑ **Jobs are requiring an increasing level of education and skills**



**1.44**  
trillion in US student loan debt

**11.2%**  
US student loan delinquency rate



**60%**  
of the jobs today's students will pursue do not yet exist

**8.9%** NC youth unemployment

**3.1%** NC unemployment as a whole

**42%** unemployment for NC youth on autism spectrum



**Work-based learning strengthens the state's talent pipeline by providing North Carolinians with career awareness, career exploration, and real-world career experiences to build employability and technical skills.**

CAREER EXPERIENCE

CAREER EXPLORATION

DRIVE POLICY CAREER AWARENESS

COMMUNICATE



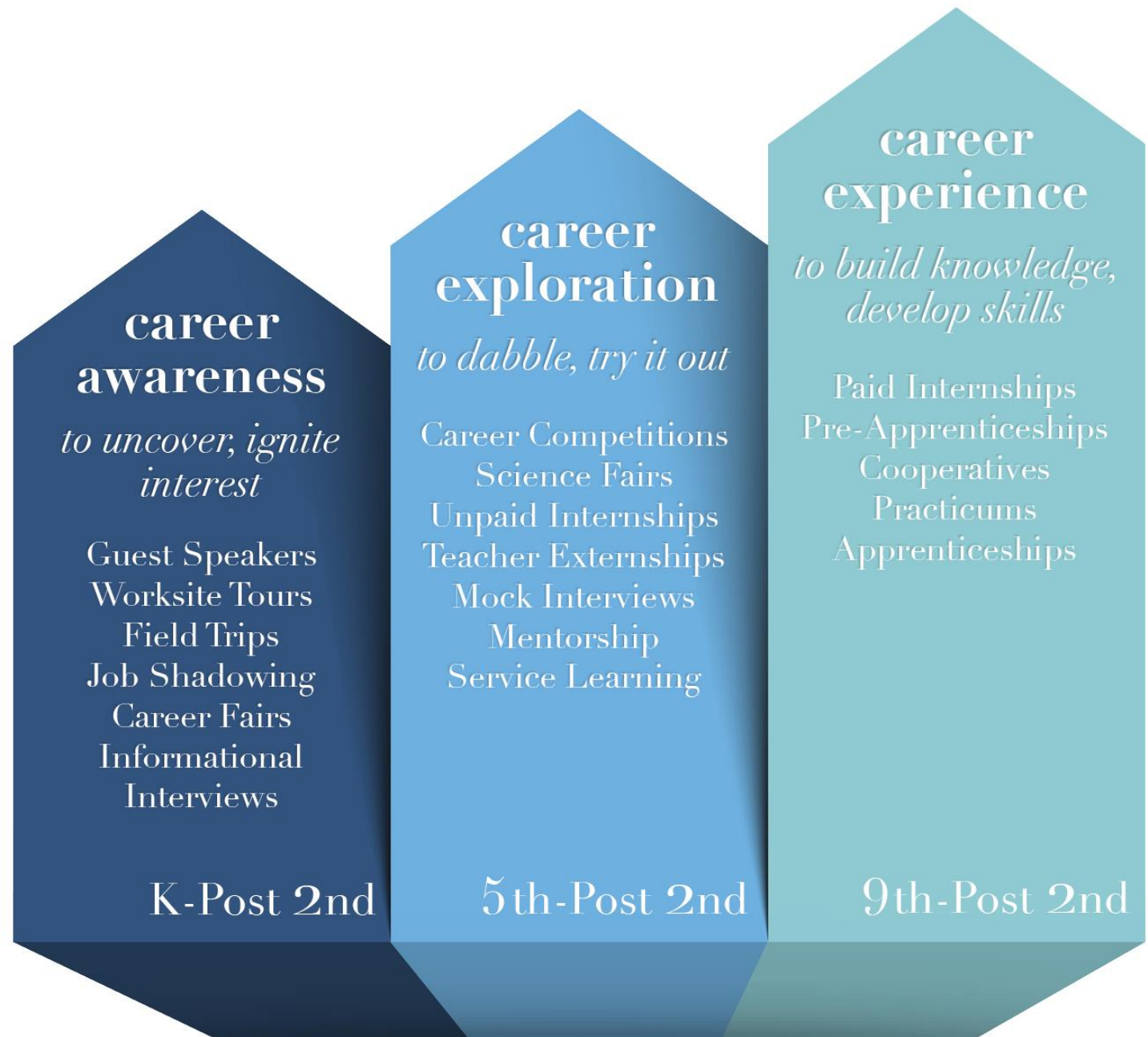
CONVENE STRATEGIZE INVENTORY

**HOW NORTH CAROLINA IS CHANGING THE PERCEPTION OF WORK-BASED LEARNING**

#NCJOBREADY

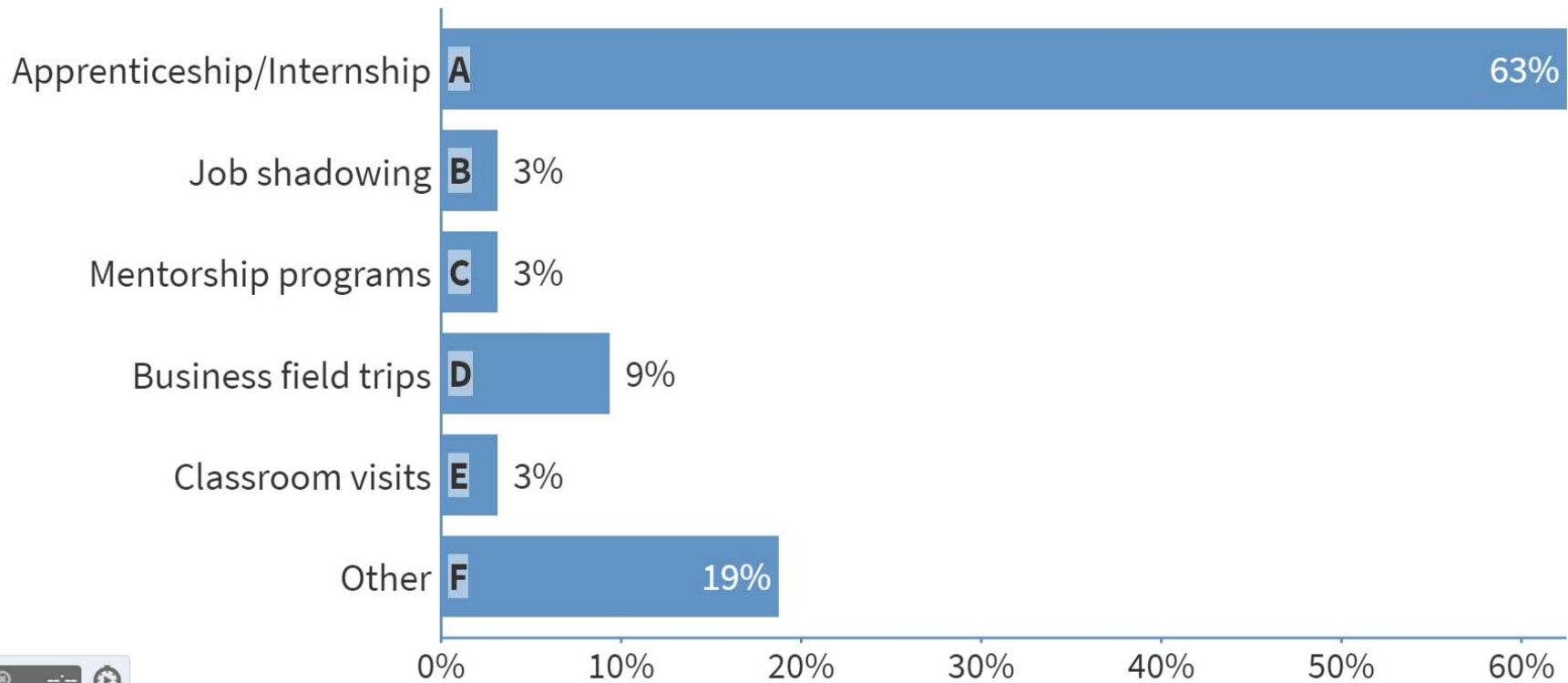
## work-based learning

Work-based learning strengthens the state's talent pipeline by providing North Carolinians with career awareness, career exploration, and real-world career experiences to build employability and technical skills.



## Which of the following work-based learning activities does your organization participate in the most?

Respond at [PollEv.com/ncworks471](https://www.poll-ev.com/ncworks471) Text **NCWORKS471** to **22333** once to join, then **A, B, C, D, E...**





*Training for today's industries  
and tomorrow's innovations*



**Dr. Gayle Greene**  
**Executive Vice President**



## Brent Harpham

Executive Director

BioNetwork & Life Science Initiatives

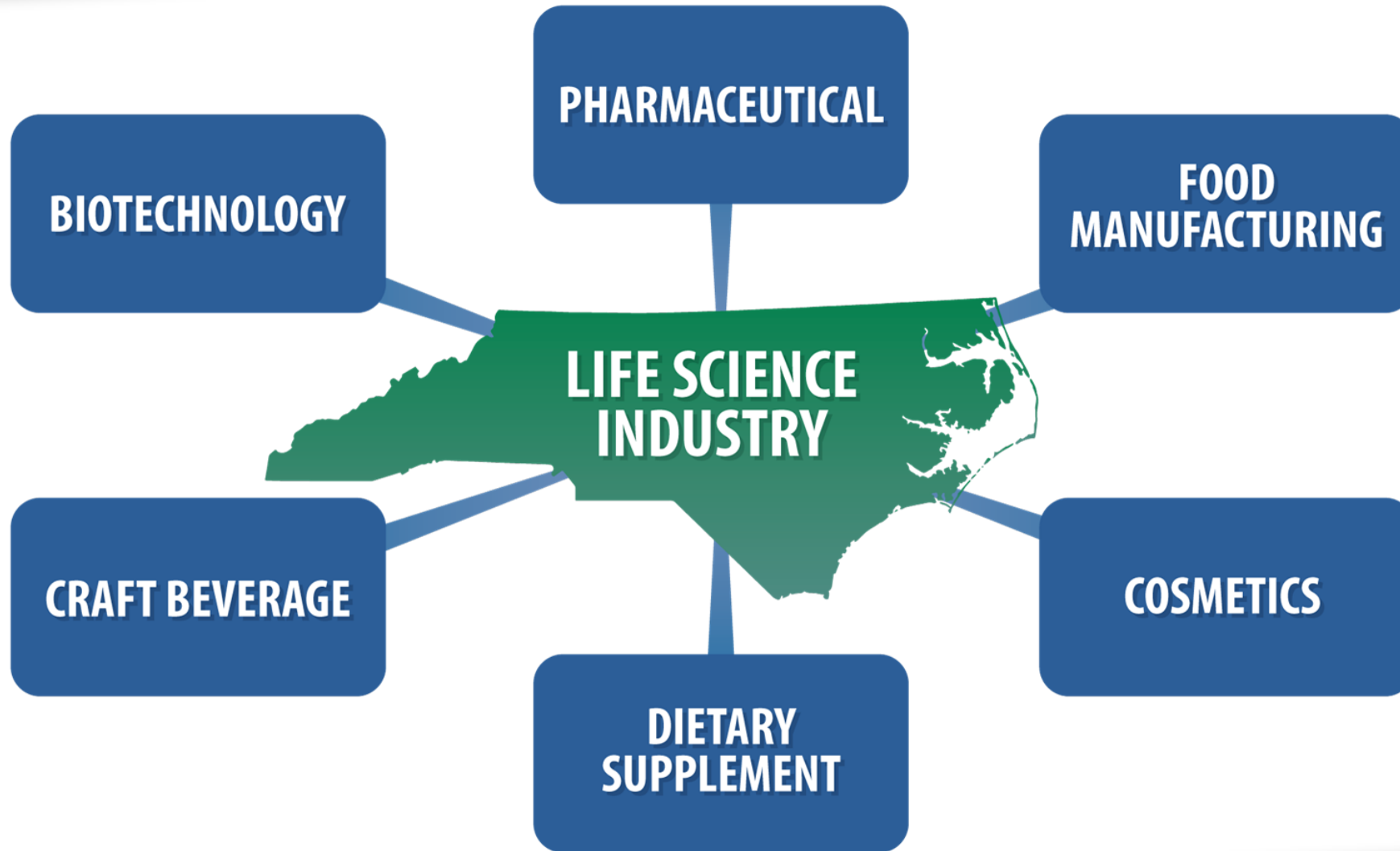


The life science training initiative for the  
*NC Community College System*

# Golden LEAF<sup>®</sup> FOUNDATION







*Hands-on*



*Classroom*



*Video Demonstrations*



*eLearning*

**STEM**  
 PIPELINE DEVELOPMENT



**FINGERPRINT ANALYSIS**

**EVIDENCE**  
 Each of the fingerprints were based on the crime scene. Since a fingerprint is a unique pattern of ridges and valleys, it is used to identify a person. In this case, we would expect to find prints from all of the suspects. The prints we found are listed below.

**MATERIALS**

- 100% cotton gloves
- 100% cotton gloves (one from each suspect)
- 100% cotton gloves (one from each suspect)

**CONFIDENTIAL BLOOD TYPE ANALYSIS**

**EVIDENCE**  
 Each of the blood samples were based on the crime scene. It is unknown how the blood got there or where it was. A small sample was collected and it is called the blood type. Blood typing is a simple procedure that allows forensic scientists to exclude individuals from a suspect list. Luckily, through a simple search of the FBI's National Crime Reference Laboratory (NCRL) database, we found a list of blood types for each of the suspects to compare to the blood found at the crime scene.

**MATERIALS**

- 100% cotton gloves
- 100% cotton gloves (one from each suspect)
- 100% cotton gloves (one from each suspect)
- 100% cotton gloves (one from each suspect)
- 100% cotton gloves (one from each suspect)

**Suspect #1**  
**Suspect #2**  
**Suspect #3**  
**Suspect #4**  
**Suspect #5**

**Victim**  
 Blood type: **Red Cross Group C**

**\*\*SUSPICIOUS\*\***  
 ALWAYS WEAR PERSONAL PROTECTIVE EQUIPMENT (PPE) IN THE LAB!

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**\$160  
Million  
Expansion**



**1,200  
Employees**



**\$80  
Million  
Expansion**



**200  
New  
Positions**

**\$210  
Million  
Expansion**

**GRIFOLS**

**200  
New  
Positions**



**\$2  
Billion  
Expansion**



**700  
New  
Positions**





**Beth Payne**

*Dean of Corporate Services*



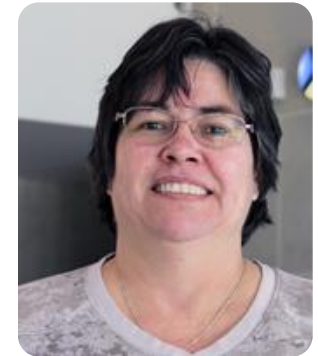
**Christina Payne**

*Quality Systems  
Manager*



**Greg Smith**

*Biomanufacturing Industry Trainer*



**Connie Stiltner**

*Senior Technical Trainer*



## Brent Harpham

Executive Director

BioNetwork & Life Science Initiatives





*Training for today's industries  
and tomorrow's innovations*

# **Committee Updates**

**Governance and System Alignment - Susan Jackson**

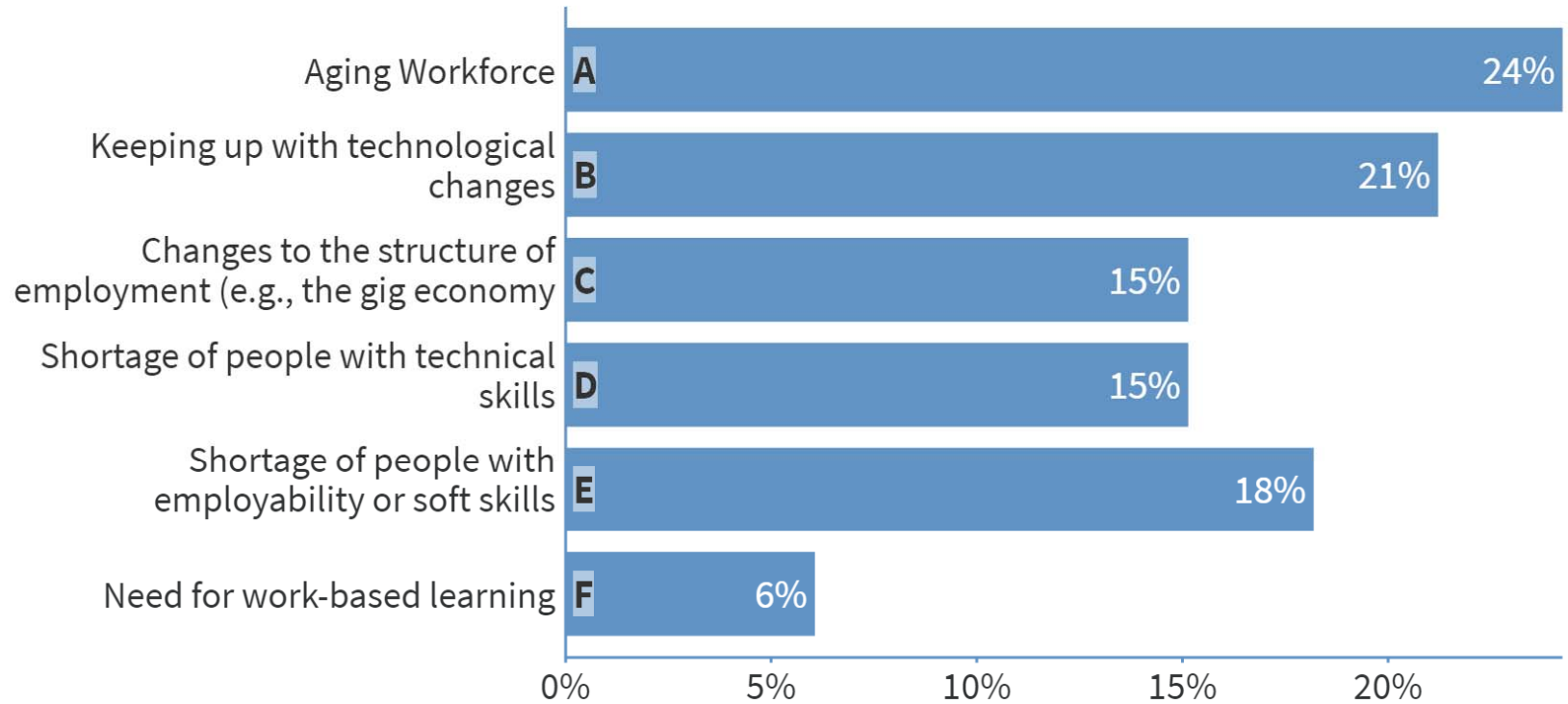
**Business Engagement – Marti Matthews**

**Performance and Accountability – Mel Chernoff**

**Education and Training – Chris Watters**

## What do you consider to be the greatest workforce challenge?

Respond at [PollEv.com/ncworks471](https://www.poll-ev.com/ncworks471) Text **NCWORKS471** to **22333** once to join, then **A, B, C, D, E...**



# Public Comments

- Sign in at podium
- Limit time to 2 minutes
- Comments are relevant to workforce issues
- Additional comments may be sent to the commission at:

[ncworkscommission@nccommerce.com](mailto:ncworkscommission@nccommerce.com)



## Next Steps

Kevin Trapani, Chair  
NCWorks Commission