

STEM Workforce Breakout 1

Batterson/Ward facilitators

Who is end user?

The employers....

- Industry
- Government
- Educational Infrastructure of K - 20

STEM Workforce Breakout 1

What is greatest need, unsolved challenge?

An appropriately educated workforce for the STEM jobs of Hampton Roads in 10 years.

STEM Workforce Breakout 1

What do employers look for when hiring new employees, what skills, attributes, education do you want to see?

- Critical thinking
- Creative/innovative/entrepreneurial
/risk taker
- Solid work ethic/Team player

STEM Workforce Breakout 1

Are there partnerships/programs in current operation that work well for STEM workforce in the Hampton Roads area?

- Student internships/apprenticeships
- Student contests (FIRST Robotics, UAS, NASA)
- Student programs for high school students (Governor's schools, magnet schools, NASA VAST)

STEM Workforce Breakout 1

What partnerships/programs for STEM workforce would you like to see in Hampton Roads?

- More Student internships/apprenticeships
- More school STEM magnet programs (Aviation academy in Newport News Public Schools)
- Extracurricular activities for STEM during weekends/summer months

STEM Workforce Breakout 1

In what fields will the new jobs be for Hampton Road's STEM workforce in 10 years?

- Biosciences/Biotech
- Environmental Sciences/Technologies/Alternative Energy
- Engineers of multiple types (EE, ME, AE, CE, systems engineering& systems integration)

STEM Workforce Breakout 2

Batterson/Ward facilitators

Who is end user?

Employers....

- Multiple industries
- Military

STEM Workforce Breakout 2

What is greatest need, unsolved challenge?

Long term educated workforce for region.

STEM Workforce Breakout 2

What do employers look for when hiring new employees, what skills, attributes, education do you want to see?

- Problem Solving
- Communication Skills
- Diversified Skills
- Solid work ethic/Team player

STEM Workforce Breakout 2

Are there partnerships/programs in current operation that work well for STEM workforce in the Hampton Roads area?

- Vocational Training, Co-op Programs, Internships
- Student contests (FIRST Robotics, UAS, NASA)
- Student programs for high school students (Governor's schools, magnet schools, NASA VAST)

STEM Workforce Breakout 2

What partnerships/programs for STEM workforce would you like to see in Hampton Roads?

- More Teacher summer internships
- More Student internships/co-op programs
- Fuse R/D w/small biz/academic for student intern programs.

STEM Workforce Breakout 2

In what fields will the new jobs be for Hampton Road's STEM workforce in 10 years?

- Combined Science/Engineering
- Environmental Sciences, Robotic Technologies
- Need training center for STEM skills.

STEM Workforce Breakout 3

Who is end user?

Employers

Academia

Small business

Gov't - incl. military

STEM Workforce Breakout 3

What is greatest need, unsolved challenge?

Ability to bring K-12 educators to the table to plan, implement and strategize for technology education.

STEM Workforce Breakout 3

What do employers look for when hiring new employees, what skills, attributes, education do you want to see?

- Work ethic
- Creative, problem solver
- Technically competent

STEM Workforce Breakout 3

Are there partnerships/programs in current operation that work well for STEM workforce in the Hampton Roads area?

- Student internships/apprenticeships
- K-12 contests (FIRST Robotics, Future City, Lego)
- Student programs for high school students (Governor's schools, magnet schools, NASA VAST)

STEM Workforce Breakout 3

What partnerships/programs for STEM workforce would you like to see in Hampton Roads?

- 4 yr technical HS Student internships or apprenticeships
- More magnet programs, tech - math focus
- Student programs for specialized combined tech approach - weekends/summer months

STEM Workforce Breakout 3

In what fields will the new jobs be for Hampton Road's STEM workforce in 10 years?

- Dual curricular - Mech Eng/Bio Science
- Environmental Sciences, Multiple Technologies, Alternative Energy, Waste Management
- Human Factors