EDUCATION LEVELS

ENABLERS
- Competencies and Functional Role Descriptions: Defines What Is Needed
  - NSA/DHS CAE and NSF/DHS SFS Programs
  - DHS Sponsored Cybersecurity Courseware Providers
  - STEM Programs
  - NICE Awareness Campaign
  - NSF Computing Education for 21st Century Program and MS-ISAC Relationships, and Existing State, Local Tribal Specific Program

OUTCOMES
- Cybersecurity Professionals:
  - Forensics
  - Counter-Intelligence
  - Secure Software Development
  - Other Specialization
  - Information Assurance, Computer Science, Engineering or Criminal Justice degrees with cybersecurity focus
  - STEM and outreach to inform on career opportunities and cybersecurity
  - STEM includes Computer Science builds on STEM, cybersecurity is component of computer science
  - Sensitize students to cyber risks and career opportunities
  - Cybersecurity Capable Workforce with deep cybersecurity background and tools
  - Cybersecurity Capable Workforce participants with understanding of cybersecurity
  - Cybersecurity Aware Citizens and increased pursuit of cybersecurity career fields
  - Cybersecurity Aware Citizens with understanding of cybersecurity

DRAFT
1. Enhance quality and magnitude of the existing K-12 mathematics and science education improvement efforts, while emphasizing the important role computing plays in STEM education

2. Increase the quality and quantity of formal computer science programs in high schools

3. Increase the quantity and quality of undergraduate cybersecurity curricula for students in computer science and more broadly, IT and security-related degree programs

4. Incentivize, support and recognize excellence in graduate-level cybersecurity research and development

Broaden the pool of skilled workers for a cyber-secure nation