



NATIONAL CRYPTOLOGIC MUSEUM FOUNDATION
CYBER CENTER FOR EDUCATION & INNOVATION
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HS CAE Feasibility & Advisability Study

CAE Community Workshop

November 10th, 2020

- “J”: Feasibility and advisability of HS CAE Program
 - NCMF Principal Investigator
 - Mark S Loepker
 - Dark Enterprise
 - Dr. Melissa Dark
 - Dr. Jenny Daugherty
 - Moraine Valley Community College
 - Dr. John Sands
 - University of Alabama Huntsville
 - Tania Williams

- Feasibility – can HS CAE be developed and implemented
- Advisability – should it be developed and implemented
- Research Questions
 - Acceptability
 - Integration
 - Implementation
 - Utilization
 - Sustainability
 - Costs & Benefits
 - Practicality
 - Advisability
- Final Report with Recommendations

- **Acceptability** - What might comprise a HS CAE program? How will a HS CAE program be received in the education sector? Who are key stakeholders and their respective roles? What is the level of interest among individuals in relevant positions and institutions in relevant sectors? Will a CAE designation be the most effective approach or title?
- **Integration** - How should a HS CAE program be positioned in the education sector? What, if any, level of system change will be needed to integrate the new program into the existing infrastructure?
- **Implementation** - What is the extent and likelihood that the HS CAE program can be fully implemented as planned and proposed? In what manner?
- **Utilization** - To what extent will the HS CAE program be utilized? What is the projected growth curve for the HS CAE?

- **Sustainability** - Can a HS CAE program be shaped to be relevant and sustainable? If so, how?
- **Costs and Benefits** - What are anticipated costs to design, develop, deploy, and maintain a HS CAE program? What are the expected benefits? Which benefits can be monetized and what is the value? How will benefits that cannot be monetized be valued?
- **Practicality** - To what extent can the desired benefits of the HS CAE program be realized if/when resources (time, money, etc.) and/or commitment are somehow constrained?
- **Advisability** - Will the returns from the operation be sufficient to justify the investment of funds? If yes, what are the recommendations for developing and implementing a HS CAE?

- CAE Community Schools
- State Departments of Education
- Existing High School Cyber Programs
- National Organizations
- State Education Laws & Practices
- Industry Stakeholders
- Cost-Benefit Study

1. Confirm project scope
2. Examine high school education sector
 - a. Discover leaders with cyber programs
3. Examine other programs with similar program goals
4. Determine constraints/risks and enablers/benefits to achieve goals
5. Understand the financial costs
6. Finalize feasibility and advisability report



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