

## Introducing Digital Forensics Science in a Virtual Learning Environment





# Cyber Sleuth Science Lab Prime Directive

"Engage more young women and underrepresented students to pursue education and careers in Digital Forensics and Computer Science in Middle & High School"







# Millions

of unfilled job openings

0%

Unemployment

## (If You Need) MORE MOTIVATION...

- DFIR has the power to attract youth who might otherwise self-select out of Computer Science and STEM Careers
- A career in DFIR has the potential to fuel systemic change and a chance to escape multi-generational poverty

Cybersecurity skills are valuable to EVERYONE and transfer to other domains





## Virtual Laboratory

#### Engaging, age-appropriate, life-relevant investigative missions

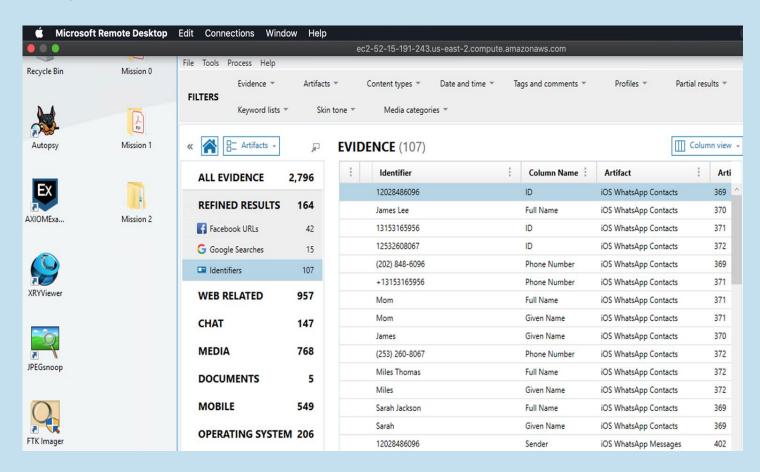






#### Virtual Toolkit

#### **Digital Forensic Tools & Scenario Datasets**







## Fundamental Forensic Science Concepts



#### **Students Explore Forensic Science Principles**

- Proper Handling of Digital Evidence
- Forensic Examination Processes and Activities
- Reaching Conclusions and Writing Reports
- Ethics in Technology





#### **MEET OUR CYBER SLEUTHS!!!**

"The Lab report, it was really engaging and it made me feel like the work I did was useful and professional"



"I enjoyed learning and using the different applications like Autopsy and JPEGsnoop."





"I enjoyed recovering all of the text message conversations and figuring out what happened and why it happened."





## Pilot Sites & Partners Girls

BALTIMORE, NEW ORLEANS, SEATTLE / EVERETT





Collaborative Project











## EVERYONE CAN GET INVOL



- ROLE MODELS
- ADVISORY COUNCIL
- PILOT SITE PARTNERS
- STUDENTS
- EDUCATORS
- EMPLOYEERS
- SPONSORS





## **THANK YOU!**

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SPECIAL THANKS TO



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