AN INTRODUCTION to CYBER SECURITY for WA SCHOOLS

John Curtin College of the Arts, Fremantle

13 September 2018 | 8:30am-12:30pm

AN INVITATION TO PRINCIPALS, STEM TEACHERS AND CAREERS ADVISORS

A professional learning event designed to introduce educators to the growing STEM field of cyber security, the tools and resources available for schools, educational pathways after secondary school and perspectives of local professionals working in the field.

Department Schools
Register:
https://plis.det.wa.edu.au/?EventID=22495

Non-Department Schools
Register:
email: donna.buckley@education.wa.edu.au

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EVENT PROGRAM

TIME

8:30AM Event Welcome & Introduction
Donna Buckley, Mathematics & Cyber Teacher,
John Curtin College of the Arts

8:45AM LifeJourney Cyber Security Programs
Renee Hoareau, Director Education and Engagement

10:30AM Morning Tea

10:45AM Cisco Networking Academy - Attacks & Techniques
Donna Buckley, Mathematics & Cyber Teacher,
John Curtin College of the Arts

11:30AM Cyber Security Careers & Pathways in WA
Amanda East, Post Graduate Studies, Edith Cowan University
Marc Poor, Cyber Security Specialist, Optus
Dean Lane, Systems Engineer, Cisco Systems

CYBER=CAREERS

Cyber security is one of the fastest growing STEM career fields in the world with an estimated 3.5millon jobs being created worldwide and 11-18 thousand jobs in Australia over the next few years.

CYBER = STEM

Australian STEM School Education Strategy 2016-2026 is endorsed by Australian education ministers

- a renewed national focus on STEM in school education is critical to ensuring that all young Australians are equipped with the necessary STEM skills and knowledge that they will need to succeed

- increase teacher capacity and STEM teaching quality

- facilitate effective partnerships with tertiary education providers, business and industry base. (Education Council, 2015).

CYBER = DIGITAL TECHNOLOGIES

DigiTech curriculum links to Cyber Security are in the areas of Algorithms, Binary, Computational Thinking, Data representation, Design Thinking, Digital Citizenship, Digital Systems, Programming/Coding, Systems Thinking, Visual Programming. For example: Plan and manage projects that create and communicate ideas and information collaboratively online, taking safety and social contexts into account - ACTDIP032

CONTACT

For further information about cyber security professional learning and student events please contact Renee Hoareau: email: renee@lifejourney.us

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