CyBOK

The Cyber Security Body Of Knowledge

Resources for Key Stage 3 students

By Neha Ramanandi

Objective

- Need for Secondary Education resources

- CyBOK and Secondary Education

- Overview of KS3 resources

- Implementation & Feedback from students

- Discussion

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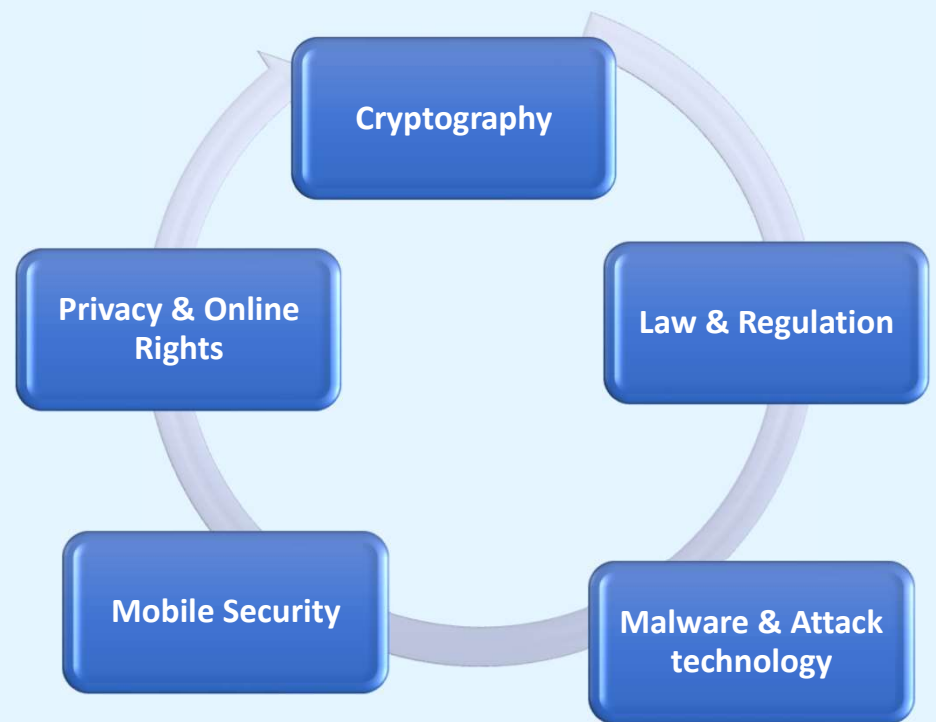# Need for Secondary Education resources

- Bridging the Gap – How teachers are shaping the way cyber security education evolves.

- Understanding the requirement of further education curriculum and implementing the basic knowledge from KS3

- Scarcity of Qualified teachers: Computer Science has only met 35% of its recruitment targets and therefore simplified and easy to implement resources are key requirement.

- Designing staggered curriculum from KS3 to A level.

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CyBOK and Secondary Education

- Is the knowledge currently delivered in the A-Levels and GCSE Computing Curriculum in schools suited to secure programming practices within CyBOK?
- If not, what knowledge needs to be covered within the A Levels and GCSE Curriculum to embed secure programming practices from schools through to university education?
- Understanding the Need for the KS3 curriculum
- Provide an appropriate offer of support and study materials to School team.
- Support activities – Workshops/meetings (Online/Offline)/briefing sessions

KS3 Resources – Contents

- Cryptography
- Law & Regulation
- Malware & Attack Technologies
- Mobile Security
- Privacy & Online Rights

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Implementation

- The resources were implemented with year 8 students for one full term.

- Students were quite engaged & confident about the topics covered.

- Other CyBOK Resources were also been used along with KS3 resources like Oasis Cyber Detective comics and cyber detective games to make the overall experience fun and engaging.

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Thank you

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