

The Role of Education in Cyber Security

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Outline and Objectives

- Cyber Security
- Online Life
- Child Online Protection
- Strategies for Cyber Security in Education
- The Role of Education in Cyber Security

Cyber Security

- The Internet has brought us all many benefits but it has also raised a number of issues including Cyber Security
- What is Cyber Security? (ITU definition)

Cybersecurity is the collection of tools, policies, security concepts, security safeguards, guidelines, risk management approaches, actions, training, best practices, assurance and technologies that can be used to protect the cyber environment and organization and user's assets.

ITU-T X.1205, Overview of cybersecurity.

World Population 7.4 Billion



Child Online Protection

- ITU is calling all stakeholders to promote the adoption of policies and strategies that will protect children in cyberspace and promote safe access to online resources.
- Cyber Security is referred to by different names across the world: Child Online Protection (ITU), eSafety (UK, EU), Cyber Safety (Australia), Online Safety (NZ, USA).



Strategies for Cyber Security in Education

- **National:** integrated and coordinated policy for Cyber Security
- **School:** Use Policy development, continuing professional development (CPD) for all staff and Cyber Security curriculum
- **Community:** national and district Cyber Security information campaigns for parents, guardians, care givers and children (TV, radio, government, civil society with private-public funding partnerships)

The Role of Education in Cyber Security

- Education has a key role to play in Cyber Security at the national, school and community levels
- International examples of young people's use of the Internet and use of mobile technologies documented through research
- Policy development
- CPD in Cyber Security