ITE (IT Essential) for School Computer Teaching

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Courses & Certification in NetAcad

Curriculum	Description	Certification
IT Essentials	IT Essentials covers the fundamentals of computer hardware and software and advanced concepts such as security, networking, and the responsibilities of an IT professional.	CompTIA A+
CCNA Discovery	CCNA Discovery provides an overview of general networking theory and opportunities for practical application, career exploration, and soft-skills development.	Cisco CCENT Cisco CCNA
CCNA Exploration	CCNA Exploration provides a comprehensive overview of foundational to advanced networking concepts, with an emphasis on theory and practical application.	Cisco CCNA
CCNA Security	CCNA Security introduces the core security concepts and skills needed to install, troubleshoot, and monitor a network to maintain the integrity, confidentiality, and availability of data and devices.	Cisco CCNA Security
CCNP	CCNP teaches the advanced skills needed to install, configure, monitor, and troubleshoot enterprise-sized networks and manage wireless, security, and voice applications.	Cisco CCNP
Health Information Networking	Health Information Networking helps students prepare for networking careers in the healthcare industry.	NA

Courses & Certification in NetAcad

- IT Essentials
- CCNA Discovery
- CCNA Exploration
- CCNA Security
- CCNP
- Health Information Networking

Well promoted through AiTLE, EDB & others organizations

Courses & Certification in NetAcad

- IT Essentials
- CCNA Discovery
- CCNA Exploration
- CCNA Security
- CCNP
- Health Information Networking

Not related or too difficult for K12

Courses & Certification in NetAcad

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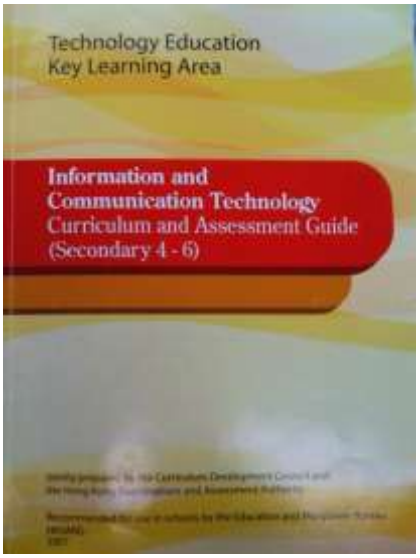
A new resources to promote / recommend

Why promote / recommend



Why promote / recommend

The Compulsory Part (165 hours)			
A. Information Processing	(64 hours)	B. Computer System Fundamentals	(25 hours)
C. Internet and its Applications	(28 hours)	D. Basic Programming Concepts	(20 hours)
E. Social Implications	(28 hours)		

The Elective Part (75 hours) (Choose one only)			
A. *Databases*	B. *Data Communications and Networking*	C. *Multimedia Production and Web Site Development*	D. *Software Development*

Why promote / recommend

EDB ICT Curriculum	ITE 5.0 (Match to topic)	ITE 5.0 (Match to time)
d. Threats and Security on the Internet		15
Know, from the users' perspective, possible security threats on the Internet.	1	
Demonstrate the control of intrusion using security applications on a computer.	1	
Discuss the possible privacy threats on the Internet, and suggest ways to maintain privacy.	1	
Be aware of information encryption technologies so as to prevent eavesdropping and interception.	1	
Explain authentication and authorisation as a means to control access of information on the Internet.	1	
Know about security used in electronic transactions.	1	
Be aware of the latest developments in security measures.	1	
Compulsory Part	25	40
	30%	30%

Why promote / recommend

EDB ICT Curriculum	ITE 5.0 (Match to topic)	ITE 5.0 (Match to time)
Develop the basic skills of analysing problems of a networked environment and performing troubleshooting for it.		
Be aware of the importance of backup in disaster planning and recovery measures.	1	
Know the common hardware and software components of a network backup solution.	1	
ii. Network security		
Describe the potential risks caused by the common network security threats.	1	
Propose effective measures to improve network security for both wired and wireless networks.	1	
Elective Part - Data Communications and Networking	25	44
	63%	59%

Why promote / recommend

Cisco ITE5 Curriculum	ICT (Compulsory)	Networking Elective
10.2: Security Procedures	1	1
10.3: Common Preventive Maintenance Techniques for Security	1	1
10.4: Basic Troubleshooting Process for Security	1	1
Chapter 11: The IT Professional		
11.1: Communication Skills and the IT Professional		
11.2: Ethical and Legal Issues in the IT Industry		
11.3: Call Center Technicians		
Chapter 12: Advanced Troubleshooting		
12.1: Computer Components and Peripherals	1	
12.2: Operating Systems	1	
12.3: Networks	1	1
12.4: Laptops	1	
12.5: Printers	1	
12.6: Security	1	1
	47	18
	77%	30%

Why promote / recommend

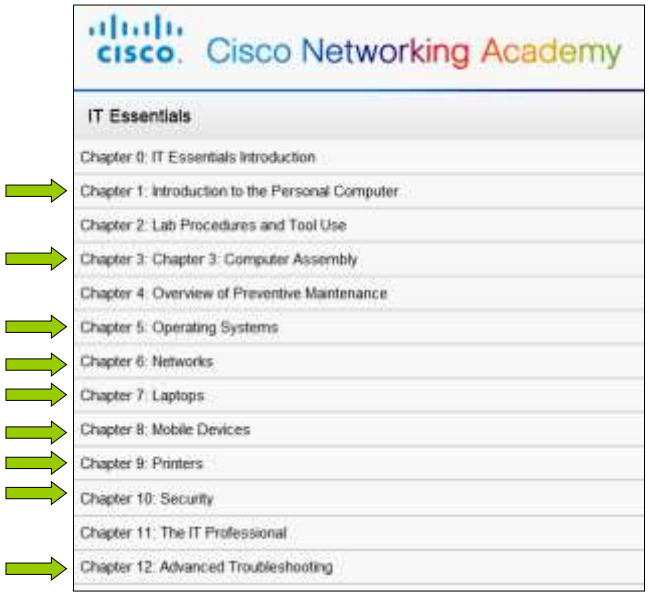
- So if students study the ITE
  - They can
    - Reinforce their learning on the topics of ICT likes
      - Computer Systems Fundamentals
      - Internet and its Applications
      - Social Implications
    - Some of the topics of ICT ➔ self studies
- On the other hand

Why promote / recommend

- if students is studying ICT
  - They can
    - Have learnt some of the topics of ITE
    - A step forward to professional certification

Why promote / recommend

- Topics fit ICT



Why promote / recommend

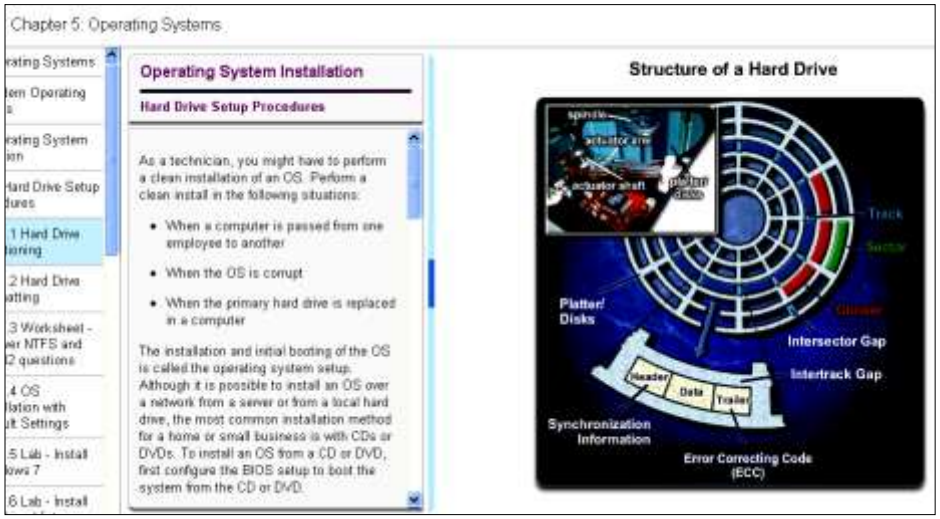
- Structured eLearning / self-learning

Why promote / recommend

- Teachers can “manage” the content for student

Why promote / recommend

- Content is well written, with multimedia



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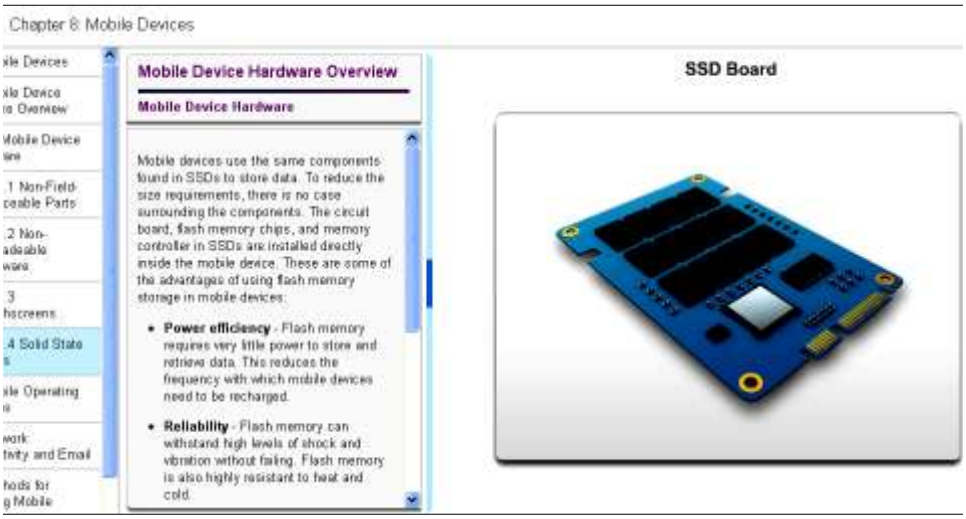

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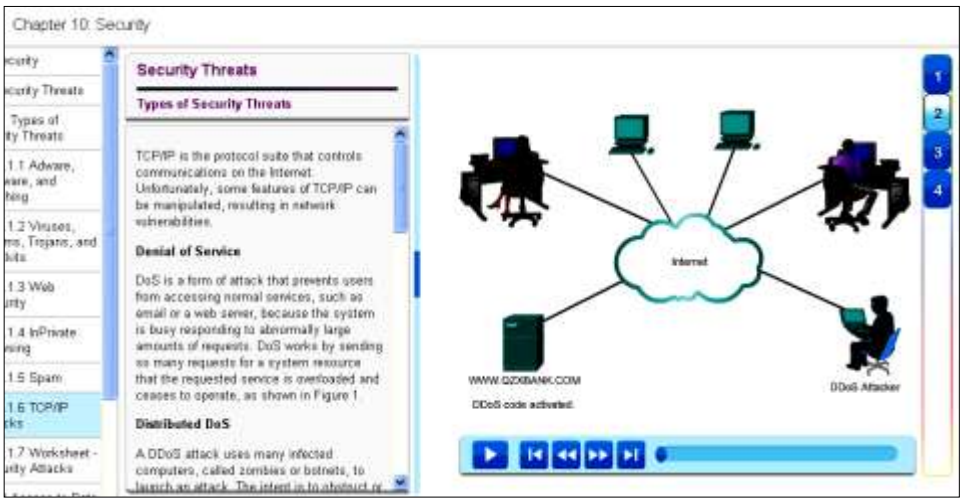
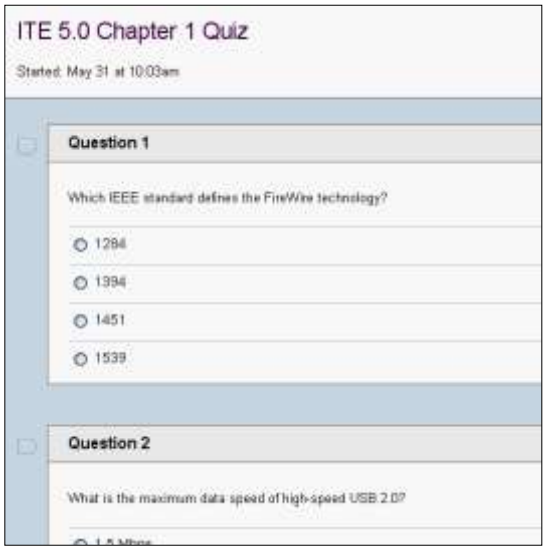


Why promote / recommend

- With Assessments & Gradebook



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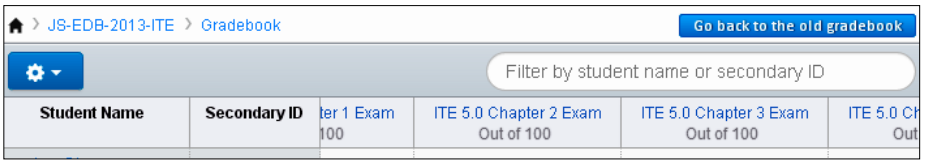
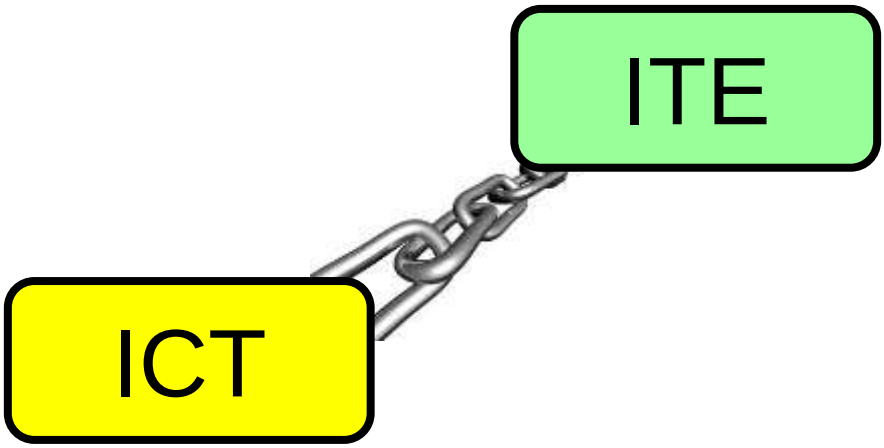
Why promote / recommend