

**The International School of Kuala Lumpur  
Information Technology Standards and Benchmarks  
Grades 9-12**

**Standard 1: Understands the nature and operations of information technology systems**

**Benchmarks:**

1.1: Make informed choices among technology systems, resources and services.

**Standard 2: Understands the ethical, cultural, and social issues related to information and technology.**

**Benchmarks:**

2.1: Identify the capabilities and limitations of contemporary and emerging technology resources and assess the potential of these systems and services to address personal, lifelong learning and workplace needs.

2.2: Make informed choices among technology systems, resources and services

2.3: Analyze advantages and disadvantages of widespread use and reliance on technology in the workplace and society as a whole.

2.4 Demonstrate and advocate for legal and ethical behaviors among peers, family and community regarding the use of technology and information.

**Standard 3: Uses information technology to enhance learning, increase productivity and promote creativity.**

**Benchmarks:**

3.1: Uses technology tools and resources for managing and communicating personal/professional information.

3.2: Investigate and apply expert systems, intelligent agents, and simulations in the real-world.

**Standard 4: Uses technology to process and communicate information effectively.**

**Benchmarks:**

4.1: Use technology tools (and resources for managing and communicating personal/professional information (e.g. finances, schedules, addresses, purchases, correspondence)

4.2: Routinely and efficiently use online information resources to meet needs for collaboration, research, publications, communications, and productivity.

4.3: Select and apply technology tools for research, information analysis, problem solving and decision making in content learning.

**Standard 5: Understands processes and skills necessary to research information and solve problems.**

**Benchmarks:**

5.1: Evaluate technology-based options, including distance and distributed education, for lifelong learning.

5.2: Routinely and efficiently use online information resources to meet needs for collaboration, research, publications, communications, and productivity.

5.3: Select and apply technology tools for research, information analysis, problem solving and decision making in content learning.

5.4: Investigate and apply expert systems, intelligent agents, and simulations in real-world situations.

5.5: Collaborate with peers, experts and others to contribute to a content related knowledge base by using technology to compile, synthesize, produce and disseminate information, models and other creative works.