

Information Technology in a Global Society IB SL Grades 11 - 12



Basic Operations and Concepts

Standard 1: The student demonstrates a sound understanding of the nature and operation of Technology systems.

1.1 Students demonstrate how information systems and networks are used to process and exchange information for control, analysis and communications

Social, Ethical and Human Issues

Standard 3: The student understands the ethical, cultural and societal issues related to technology.

3.1 Students understand and evaluate the social significance of information technology and networking for individuals, communities and institutions/organizations

3.2 Students analyze and evaluate in a critical manner the ethical considerations arising from the widespread use of information technology and networking

3.3 Students identify the key elements of continuity and change in the development of information technology and networking leading from the past, through the present and into the future, and to assess her/his impact

Standard 5: The student develops positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits and productivity.

5.1 Students describe and discuss the significance of the convergence of computer and communications technologies

Technology Productivity Tools

Standard 6: The student uses technology tools to enhance learning, increase productivity and promote creativity.

6.1 Students use and integrate a range of information tools that will enhance and communicate ideas and facilitate life-long learning

Technology Research Tools

Standard 10: The student uses technology to locate, evaluate and collect information from a variety of sources.

10.1 Students identify and support the need to integrate various disciplines, methods and perspectives to evaluate and solve problems

Standard 12: The student evaluates and selects new information resources and technological innovations based on the appropriateness to specific tasks.

12.1 Students develop an ability to explore and review new advances in information technology

Technology Problem-Solving and Decision-Making Tools

Standard 14: The student employs technology in the development of strategies for solving problems in the real world.

14.1 Students recognize and apply the principles of good design and problem solving