ISTITUTO: *Istituto Tecnico Informatica e Telecomunicazioni*

CLASSE: III

MATERIA: *Inglese*

Modulo n° 1	Contenuti Cognitivi
COMPUTER SCIENCE AND INFORMATION TECHNOLOGY	***An introduction to computer science*** ***Working in the field of computer science*** ***The future of computing*** ***The binary system*** ***Analog versus digital*** ***Hardware and software*** ***Technology and society*** ***Listening**: Clearing the ground for technology* ***Grace Hopper : The pioneer of computing*** ***Culture:*** ***Alan Turing: The father of computer science*** ***Film: Imitation game***

Modulo n° 2	Contenuti Cognitivi

COMPUTER CLASSIFICATION AND DEVELOPMENT
 	
UNIT 11
	• *Types of computer:supercomputers, mainframes,minicomputers, workstations, servers, personal computers and incorporated systems.*
	• *The computer system input-output devices*
	• *Computer storage*
	• *Computer ports and connections*
	• *Describing and choosing a computer*
	• *Computers of the future: the age of quantum computing has arrived*
	
	LISTENING (videolinks)
	    Computer basics: what is a computer?
	    Inside a computer?
	    Buttons and ports on a computer
	    How to install memory in your desktop PC
	    How to choose a new computer
	
	DIGITAL MAPS: SUMMING UP

Modulo n° 3	Contenuti Cognitivi
COMPUTER SOFTWARE AND PROGRAMMING *UNIT 12*	• *System software* • *Application programming* • *Computer languages* • *Programming languages most in demand* • *The language of programming* • *Cloud computing* *LISTENING : (VIDEOLINKS)* *Lary Wall : computer programming in 5 mn* *What are the differences between low-level and high level languages?* *Microsoft windows: entire history in 5 mn.* *CULTURE:* Women pioneers in computing *DIGITAL MAPS SUMMING UP*

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Modulo n° 4	Contenuti Cognitivi

COMPUTER HARDWARE AND PERIPHERALS	• *The brain of a P.C*
	 • *Computer memory*
	 • *Input vs output devices*
	 • *Storage devices*
	
	 LISTENING : Sram and Dram features
	      3D printing and wide-format printers
	      CD-Rom
	
	 CULTURE: Women pioneers in computing

Modulo n° 5	Contenuti Cognitivi

TYPES OF APPLICATION
 	
 Unit 13
	• *The spreadsheets*
	 • *Charts and graphs*
	 • *The database*
	 • *Database management systems*
	 • *Computer aided- design CAD*
	
	 LISTENING : Microsoft excel tutorial for beginners
	     History of databases
	     The evolution of virtual reality
	
	 CULTURE: Technology and health
	     Computers and crypto-currency
	
	 DIGITAL MAPS SUMMING UP