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| **PROGRAMMA SVOLTO** |
| **DOCENTE****CARMELA ELENA CATTAPAN** | **MATERIA****INGLESE** | **CLASSE****5INF1** |
| * **INVALSI (svolto prevalentemente in DDI)**
	+ Attività di Reading e Listening in preparazione alle prove INVALSI
* **ORWELL, ANIMAL FARM (svolto presenza)**
	+ Lettura e commento del testo
* **JOB OPPORTUNITIES (svolto presenza/DDI)**
* The European CV and the English CV.
* Coping with job interviews: a CV Centre Guide (photocopy)
* Linkedin (photocopy)
* **NETWORKING (svolto presenza/DDI)**
* Networks: LAN, MAN, WAN, PAN, BAN
* Network architectures: client/server, peer-to-peer; LAN topologies
* Network devices and network communication standards: Ethernet and token ring
* Wireless technologies: Wi-Fi, LTE, Bluetooth, RFID, NFC.
* **THE INTERNET (svolto DDI)**
* What is the Internet, history of the Internet
* TCP/IP protocols
* The World Wide Web.
* From Web1 to WEB3.0
* **OPERATING SYSTEMS (svolto presenza/DDI)**
	+ Main features .
	+ Utilities
* **APPLICATION SOFTWARE (svolto presenza/DDI)**
	+ Main types
	+ intellectual property rights and software piracy
* **PROGRAMMING LANGUAGES (svolto prevalentemente in DDI)**
* Generations of programming languages : high level languages and low level languages, compilers and interpreters,
* 4GLs and natural languages. Expert systems.
* The program development life cycle. Spaghetti code and structured programming
* Object oriented program development.
* Java. Python. Javascript
* **DATABASES (svolto presenza/DDI)**
	+ The database approach
	+ Operational vs analytical databases
	+ Relationship in a database. Types of databases
	+ Relational, object-oriented and multidimensional databases. Normalization.
	+ DBMSes: main features
	+ Big data and NoSQL databases
* **DIGITAL SECURITY (svolto presenza/DDI)**
* Malware and networking threats
* Internet security software. Firewalls and DMZ.
* Encryption. Authentication.
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| **TESTI IN ADOZIONE**  |
| Information Technology Minerva ScuolaTesti forniti dalla docente, disponibili sul Drive di Classroom, adattati da libri americani (New Perspectives Computer Concepts, 2018; Discovering Computers 2018). |