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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 Scuola  Testi forniti dalla docente, disponibili sul Drive di Classroom, adattati da libri americani (New Perspectives Computer Concepts, 2018; Discovering Computers 2018). |