



Ministero dell'Istruzione, dell'Università e della Ricerca

I.I.S. "J. TORRIANI"

ISTITUTO TECNICO - SETTORE TECNOLOGICO

LICEO SCIENTIFICO - OPZIONE SCIENZE APPLICATE

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PROGRAMMA SVOLTO

DOCENTE: *Ilaria Bianchi*

A.S: *2017-18*

DISCIPLINA: *Lingua inglese*

CLASSE: *5C INFO*

Per ogni Tema svolto vengono indicati i relativi contenuti.

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| TEMA: A brief History of 3D Printing (photocopies) | CONTENUTI: How 3D printing works, Applications of 3D printing |
| TEMA: dal testo <i>NEW TOTALLY CONNECTED</i> , M.Menchetti, C.Matassi, ed. CLITT | CONTENUTI: <u>Module 4 "The brain of every computer"</u> <ul style="list-style-type: none">- How a computer wakes up/ Bootstrapping (page 66)- The Central Processing Unit (page 67)- How the CPU executes program instructions (page 68)- Storage and memory (page 70)- Primary memory: RAM (page 71)- ROM and flash memory (page 74)- Cache memory (page 75)- Magnetic Media and specific storage technologies (pages 78/79) |
| TEMA: dal testo <i>NEW TOTALLY CONNEC-TED</i> , M. Menchetti, C.Ma-tassi, ed. CLITT | CONTENUTI: <u>Module 5 "Operating systems"</u> <ul style="list-style-type: none">- What is an operating system? (page 90)- How an operating system controls hardware (page 91)- Who directs the action in a computer ? (page 93)- Types of operating systems (page 94)- Operating Systems for mobile devices (page 97)- Android vs IOS (pages 98/99)- Database managers (pages 100/101)- SQL and Query (page 105)- Database inquiries (page 107) |
| TEMA: Literary Links /Beyond the text: Photocopies | <u>The world of computers, technology and robots:</u> <ul style="list-style-type: none">-Isaac Asimov' article (extract): global and detailed meaning |



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| | <ul style="list-style-type: none">- Philip K. Dick' novel "Do Androids Dream of Electric Sheep" (plot and main themes)- Artificial Intelligence (definition and goals)- IOT (definition and applications)- G. Orwell's novel Nineteen- Eighty Four (plot, themes, extract) |
| TEMA: dal testo <i>NEW TOTALLY CONNNECTED</i> , M. Menchetti, C.Mattassi, ed. CLITT | CONTENUTI: <u>Module 6 "Languages":</u> <ul style="list-style-type: none">- Communicating with a computer (page 114)- Low level and High level languages (page 116, page 119)- Object – Oriented languages (page 122)- Computer language translators (page 125)- HTML (page 129)- Top programming languages (notes) |
| TEMA: dal testo <i>NEW TOTALLY CONNNECTED</i> , M. Menchetti, C.Mattassi, ed. CLITT | CONTENUTI: <u>Module 8 "A world of Apps – Java; the bright star"</u> <ul style="list-style-type: none">- Platforms (page 160)- Instagram (page 161)- What is Java? (page 165)- Java Script / Java Language (pages 168/ 169) |
| TEMA: dal testo <i>NEW TOTALLY CONNNECTED</i> , M. Menchetti, C.Mattassi, ed. CLITT | CONTENUTI: <u>Module 9 "It's a wired world"</u> <ul style="list-style-type: none">- What is a network? LANs (page 186)- WANs (page 187)- PANs (page 188)- VPN (page 189)- End-user devices (page 190) |

Firma Docente _____

Data _____

Firma Delegati di classe _____

Data _____