

POLO FERMI-GIORGI

Classe: 5AIF **ISTITUTO TECNICO SETTORE TECNOLOGICO**
Anno: 2016/2017 **ARTICOLAZIONE “Informatica”**
PROGRAMMA DI LINGUA STRANIERA - INGLESE

Testi di riferimento per la lingua: *Gateway B2 Exams-MacMillan / Grammar In Progress-Zanichelli*

Testo di micro lingua (Informatica): *New Totally Connected -Clitt*

Altro: Fotocopie e siti con materiale didattico

Contenuti di Lingua

- ✓ Unit 7:
Vocabulary: Music and film ; Using adjectives in reviews.
Grammar: Use of ‘say’ and ‘tell’ ; Reported speech (statements and questions) + Other reporting verbs
- ✓ Unit 8:
Vocabulary : Disaster areas
Grammar: The Passive: present, past and future tenses; Passive with two objects
- ✓ Unit 9:
Vocabulary: Everyday technology (verbs connected with technology)
Grammar: Relative clauses: defining and non-defining; Nominal clauses with ‘that, what and all’ .
Skills: Clarifying and checking understanding.
Literature: “Hybrids” by David Thorpe (extract)
- ✓ Unit 10:
Vocabulary: Breaking news: Newspaper sections and headlines
Grammar: Participle clauses; Indirect questions; Question tags;
Both/and, either/or, neither/nor, all and none.
Skills: Opposing point of views

- **Photo essay:** Effects of Chernobyl today
- **Literature-**The American Renaissance (key ideas): Herman Melville –Moby Dick

Contenuti di Informatica:

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| Module 3 | { | <ul style="list-style-type: none">- Emails: advantages and disadvantages. The blog.-Cloud computing. Newsgroup, Mailing list, Instant Messaging to distribute information-Downloading software-steps to follow-E-commerce and eBay-A blog/ A tumbleblog: Tumblr ;Socials: Facebook and Twitter |
| Module 4 | { | <ul style="list-style-type: none">- The World Wide Web; The Resources on the Internet-The central processing unit (CPU)-How the CPU executes program instructions |
| Module 5 | { | <ul style="list-style-type: none">-The Operating System (OS): definition and functions-Types of operating system-Unix, Linux and WindowsOS-Operating systems for mobile devices: iOS-Database and Database managers/Database management systems (DBMS) |

-Reviewing the foundation of SQL; the Query

Module 6-7

- Languages: HTML 5, CSS3 and XML (an overview)
- Building a program: Developing the algorithm
- Testing and debugging the program

Module 8

- A world of Apps: Instagram; Candy Crash Saga
- Java programming language: a software system for online multimedia
- Security- Cryptography. Encryption

Additional topics online:

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- Preparing for the job Interview
- The top ten skills that employers want
- How to protect a stolen laptop from thieves
- From: ~~The New York Times~~: Hacking Attack Has Security Experts Scrambling to Contain Fallout

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