



ISTITUTO TECNICO INDUSTRIALE "P. HENSEMBERGER"

ISTITUTO TECNICO : Elettrotecnica, Informatica, Telecomunicazioni,
Meccanica e Meccatronica, Biotecnologie Sanitarie

LICEO SCIENTIFICO SCIENZE APPLICATE

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PROGRAMMA a. s. 2019 / 2020

MATERIA **Lingua Inglese**

Classe **5 Sez. B1**

Dal libro di testo "English for New Technology" ed. Pearson

1° QUADRIMESTRE

Unit 6 – Electronic components

- Applications of electronics
- Semiconductors
- The transistor
- Basic electronic components
- Working with transistors
- William Shockley, the father of the transistor

Unit 7 – Electronic systems

- Conventional and integrated circuits
- How an electronic system works
- Analogue and digital
- Amplifiers
- Oscillators
- Read a data sheet

2° QUADRIMESTRE

Unit 8 – Microprocessors

- What is a microprocessor?
- The microprocessor
- Logic gates
- The race to build the integrated circuit
- Moore's law – how long can it go?
- How microchips are made
- The future of microchip technology

Unit 9 – Automation

- What is automation?
- How automation works
- The development of automation
- How a robot works
- Varieties and uses of robots
- Robots in manufacturing



- Artificial intelligence and robots

Fotocopie tratte da altri testi

The United Kingdom

The Monarchy

The House of Commons

Government

Political Institutions in The USA

The Constitution

The Legislative Branch: Congress

The Executive Branch: the President

State Government

Lawmaking

Political parties

Presidential elections

The United States

Facts and figures

Economy

Case Study: Amazon

Fordism and Tylorism

The factory system towards the 20th century

The assembly line

After WW2

Post-war industrial reconstruction

Robotics

Critical Essays Themes in The Importance of Being Earnest

Duty and Respectability, The Absence of Compassion, Religion, Popular Culture, Secret Lives, Passion and Morality, Courtship and Marriage, Perpetuating the Upper Class, Class Conflict, Plot.

Dal libro di testo in adozione **TOTAL FIRST New Edition ed. DeA Scuola**

1° quadrimestre

Dall'unità 13 all'unità 14

UNITA' 13 SPORT & COMPETITION

- **Vocabulary areas.** Noun + noun expressions
- **Grammar.** The passive
- **Reading and use of English.** The Sundance Film Festival

UNITA' 14 FAMILY AND FRIENDS

- **Vocabulary areas.** Family and friends
- **Grammar.** Indirect speech; indirect questions; orders and requests in indirect speech
- **Reading and use of English.** Family relationships



2° quadrimestre

Dall'unità 15 all'unità 16

UNITA' 15 TRAVEL AND ECOTRAVEL

- Vocabulary areas. Travel
- Grammar. A lot of /much/ many; little/ few; modal verbs: obligation/deduction
- Reading and use of English. Space travellers

UNITA' 16 HEALTH AND HAPPINESS

- Vocabulary areas. Health, prepositional phrases, ways of laughing
- Grammar. Causative
- Reading and use of English. The power of laughter

Di seguito si specifica tutta la parte di programma svolta in modalità di Didattica a Distanza

- Dal libro di testo "English for New Technology" ed. Pearson: Unit 9 – Automation
- Dal libro di testo in adozione TOTAL FIRST New Edition ed. DeA Scuola: UNITA' 15 TRAVEL AND ECOTRAVEL, UNITA' 16 HEALTH AND HAPPINESS
- Fotocopie tratte da altri testi

Cittadinanza e Costituzione: The United Kingdom, Political Institutions in The USA

Partecipazione alla rappresentazione teatrale "The Importance of being Earnest" di Oscar Wilde presso il teatro

'Manzoni' di Monza

Monza, 11.05.2020

insegnante

Prof.ssa Anna Rosaria Cipriani