



## Istituto Istruzione Superiore "G. Ferraris - F. Brunelleschi"

Via R. Sanzio, 187 – 50053 Empoli (FI) ☎ 0571 81041 – fax 0571 81042

www.ferraris.eu ✉ e-mail FIIS012007@istruzione.it

Codice Fiscale n. 91017160481 Cod Min. FIIS012007 Codice Univoco UF8UAP



### Programma Svolto di Lingua e Cultura Inglese A.S. 2017-2018

**Classe: VA Elettrotecnica**

**Prof. Domenico Pazzano**

Dal libro di testo *New On Charge*, Petrini Editore, sono stati affrontati i seguenti testi di ESP con le rispettive attività di comprensione del testo:

#### **Unit 7 - Generators and motors**

- Getting started (pp.58-59)
  - What is a generator?
  - The components of a generator
  - The components of a motor
  - How a motor works
- The generation of current (p.60)
  - AC generators
  - DC generators
  - AC versus DC
- DC motors: types and applications (p.62)
- AC motors: types and applications (p.62)

#### **Unit 8 - Batteries**

- Types of battery (p.68)
  - Primary cells
  - Secondary cells
- Fuel Cells: the Clean Option (p.70)

#### **Unit 9 - Renewable and non-renewable energy resources**

- Electricity generation, transmission and distribution (p.76)
- Energy production – which way forward? (pp.78-79)
  - Solar power
  - Wind power
  - Biomass
  - Geothermal energy

#### **Unit 10 – Robotics and Automation**

- The Turing Test (p.88)
- Asimov's Three Laws of Robotics (p.88)

Dal libro di letteratura *Compact Performer - Culture & Literature*, Zanichelli, sono stati affrontati i seguenti argomenti:

#### **Specification 4: Revolutions and the Romantic Spirit**

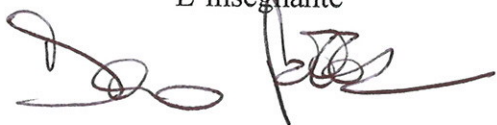
- An age of revolutions (pp.96-97)
- The American War of Independence (pp.102-3)
  - 1776, the American Declaration of Independence (p.103)
  - America's birthday (p.103)
- Is it Romantic? (p.111)
- Emotion vs Reason
  - English Romanticism (p.112)
  - A new sensibility (p.113)
  - The emphasis on the individual (p.114)

#### **Specification 5: A Two-Faced Reality**

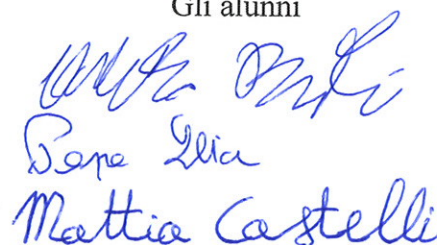
- The first half of Queen Victoria's reign (pp.148-149)
  - 1851, the Great Exhibition (p.149)
- The Victorian novel (p.155)
- The British Empire (pp.173-174)
- New aesthetic theories (p.182)
- Aestheticism (p.184)
- Oscar Wilde: the brilliant artist and Aesthete
  - Oscar Wilde's life (p.185)
- *The Picture of Dorian Gray* (1891) and the theme of beauty (p.186)
  - The story
  - The narrative technique
  - Timeless beauty
  - Dorian's death* - Chapter XX (pp.187-190)

Empoli, 09/05/2018

L'insegnante



Gli alunni



Bene Lina  
Mattia Castelli