



**PROGRAMMA SVOLTO**

CLASSE	5 ET	DISCIPLINA	INGLESE
DOCENTE	CARLA PONTI	A.S.	2018/2019

**Libri di testo: "English for New Technology – Electricity, Electronics, IT & Telecoms" di K. O'Malley, Ed. Pearson Longman**

**"Life upper intermediate student's book and workbook" P. Dummet, J. Hughes, H. Stephenson, Ed. National Geographic Learning**

**"Grammar in Progress, Seconda Edizione", L. Bonci, S.M. Howell, Ed. Lingue Zanichelli**

**Lettura estiva: "The Picture of Dorian Gray" di O. Wilde - Edizione Liberty (versione ridotta)**

Ripasso del testo

**"Life upper intermediate student's book and workbook"**

**Grammar**

Ripasso: verb + infinitive, verbs with –ing and to +infinitive, not, negative and tag questions, if clauses (1, 2, 3 type) and mixed conditional sentences, wish, would rather and if only, reporting verbs, reported speech, thought and questions, passive reporting verbs, article: the or zero article?, relative clauses  
Habitual actions: present tenses, will, used to, be used to, get used to

**Vocabulary**

All vocabulary from chapter 6 to 9 of "Life" (ripasso)

Raising children: verbs food and eating habits

Word focus: common, weddings

Wordbuilding: word pairs

**Reading e listening**

Lettura estiva del romanzo "The Picture of Dorian Gray" di O.Wilde Ed. Liberty

Sono state somministrate reading e listening di varia natura con esercizi diversificati in preparazione della Prova INVALSI

**Writing**

An informal email

Summary

Gli argomenti di grammatica sono stati approfonditi anche con esercitazioni sul testo "Grammar in Progress".

**"English for New Technology – Electricity, Electronics, IT & Telecoms"**

**Collegamento interdisciplinare con Elettrotecnica**

Electromagnetism and motors: unit 3

Electricity and magnetism pg.32

Key words pg.33

Simple applications of electromagnetism pg.34

The electric motor pg.35  
Types of electric motor pg.36-37  
Motor maintenance pg.38  
Electric cars pg.39  
Electric cars: advantages and disadvantages pg.40  
How a hybrid car works pg.41  
Key formation: verb formation pg.41  
The Jaguar C-X75 supercar pg. 42  
Key language: noun formation pg.43

### **Collegamento interdisciplinare con TPSEE**

#### Generating electricity: unit 4

Methods of generating electricity pg.44  
Key words pg.45  
The generator pg.46  
Key language: prepositions pg.46  
Fossil fuel power station pg.47  
Nuclear reactor pg.48-49  
Renewable energy 1: water and wind pg. 50  
Wind power pg.51  
Key language: describing a process pg.51  
Renewable Energy 2: sun and earth pg.52  
Geothermal energy, biomass and biofuels pg.53  
Key language: the passive pg.54  
Our energy future pg.54-55

### **Collegamento interdisciplinare con TPSEE**

#### Distributing electricity: unit 5

The distribution grid pg.56  
Key words pg.57  
The transformer pg.58  
The domestic circuit pg.59  
Edison, Tesla and the AC/DC battle pg.60  
Managing the power supply pg.61  
Creating a smart grid pg.62  
Dangers of electricity pg.64  
Act in emergencies pg.65  
Safety signs pg.66  
Work safely with electricity pg.67  
Key language: obligation pg.67  
Electricity and transport pg.68  
Maglev: the transport of the future? pg.69

#### Electronic components: unit 6

Semiconductors pg.74

### **Collegamento interdisciplinare con TPSEE**

#### Automation: unit 9

What is automation? pg.108  
Key words pg.109  
How automation works pg.110  
Automation in operation: a heating system pg.111  
Key language: Prefixes pg.111  
The development of automation pg.113  
How a robot works pg.114  
Robot past and present pg.115  
Key language: conditional sentences pg.115  
Varieties and uses of robots pg.116

Robots in manufacturing pg.117  
Artificial intelligence and robots pg.118  
The end of the air traffic controller? pg.119  
Automation at home and at work pg.122-123

#### Computer hardware: unit 10

Types of computer pg.124  
Key words pg.125  
The computer system pg.126  
Input-output devices pg.127  
History of computer pg.134-135

#### Applications: unit 12

Where computers are used pg.148  
Key words pg.149  
Types of applications pg.150-151  
Future of computer games pg.158  
Does playing computer games make you more intelligent? pg.159

### **Progetto Alternanza Scuola Lavoro**

#### Employment in new technology: unit 17

Jobs in technology pg.218  
Key words pg.219  
Jobs advertisements pg.220-221  
The curriculum vitae pg.222  
What the CV should contain pg.223  
The letter of application pg.224  
What the letter of application should contain pg.225  
The interview pg.226  
The range of work in new technology pg.227  
Important linking words pg.229  
Write a business letter pg.230  
Write a business e-mail pg.231

### **Collegamento interdisciplinare con storia**

#### The Revolutions

The first, the second Industrial Revolution and the technological Revolution (fotocopie)  
Video: the Industrial revolution –best short documentaries

### **Collegamento interdisciplinare con storia e letteratura italiana**

#### The Wars in the 20th century

The first World War (fotocopie), The Second World War (fotocopie), The secret war (fotocopia), Encryption (dal testo “English for New Technology – Electricity, Electronics, IT & Telecoms” p. 142), Alan Turing and “the intelligent machines” (dal testo “English for New Technology – Electricity, Electronics, IT & Telecoms” p. 143), The War Poets (fotocopia), Rupert Brooke e analisi del testo “The Soldier” (fotocopie), W. Owen e analisi del testo “Dulce et decorum est” (fotocopie)  
Video: London can make it!, The Enigma of the WWII codebreaker A. Turing

### **Collegamento interdisciplinare con letteratura italiana**

#### O.Wilde and The Aestheticism

“The Picture of Dorian Gray”, O. Wilde- his life and works (fotocopie), the plot, Aestheticism e analisi del testo “The painter’s studio” (fotocopie)  
Video: Top 10 notes – The Picture of Dorian Gray

### **Video**

Are electric cars really green?  
How electric cars are taking over Norway’s road

Electric cars and global warming  
 How to control a nuclear reactor  
 Chernobyl disaster – the severe days  
 Chernobyl disaster – the effects  
 Hydroelectric power plant  
 Wind energy (flipped classroom)  
 Geothermal energy  
 Renewable energy 101: National Geographic  
 N. Tesla vs. T. Edison  
 Industrial robotics  
 What is a Smarthome?  
 A day with smart home  
 How to write a good CV  
 Greta Thunberg –young environmental activist

### **Cittadinanza e Costituzione**

#### Europe and the world

The European Union (fotocopie)  
 The globalized world (fotocopia)

#### Customs and behaviour in the world (dal testo “Life upper intermediate student’s book and workbook”)

An anthropologist’s explanation of the quote “manners and maketh man” p. 117 (listening)  
 An extract from a radio programme about a tribe with an unusual diet p. 120 (listening)  
 “Cruel to be kind” p. 118 (reading)  
 “A universal language” p.123 (reading)  
 Typical behaviour food and eating habits p. 121 (speaking)  
 Customs in your country p. 122 (speaking)  
 Wedding tradition p. 124 (speaking)  
 Video: Eating insects p. 127

Cesano Maderno, 31061 2019	Firma Docente	
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