|  |  | **I I S *“Ettore Majorana”***  Via A. De Gasperi, 6 - 20811 Cesano Maderno (MB) |
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| **PROGRAMMA SVOLTO** |
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| **CLASSE** | 5ET1 | **DISCIPLINA** | INGLESE |
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| **DOCENTE** | Prof. RAFFAELLA VERGOMBELLO | **A.S.** | 2020/2021 |

**Libri di testo**: Kiaran O’Malley, **“English for New Technology”**, Pearson-Longman

B. Bradfield, B. Wetz, **“English Plus”**, Oxford

**TECHNOLOGY:**

**Unit 2 Electric circuits**

* Measuring tools
* Light bulbs- Group researches
* Save energy in the home
* Turning off stand-by power

**Unit 3 Electromagnetism and Motors**

* Electricity and magnetism
* Simple applications of electromagnetism/ Researches about different applications of electromagnetism
* The electric motor
* Types of electric motor (DC motors, AC motors, Design variations)
* Electric cars
* Electric cars: advantages and disadvantages
* How a hybrid car works
* Sustainable mobility (ricerche di gruppo- educazione civica)

**Unit 4 Generating Electricity**

* Methods of generating electricity
* The generator
* Power stations: how do they work?
* Generating electricity: Fossil fuels
* Fossil fuel power station
* Nuclear reactor
* How a nuclear reactor is kept under control
* Nuclear power: yes or no? (Educazione civica)
* Renewable energy 1: water and wind:
* Hydroelectric power
* Wind power
* Renewable energy 2: sun and earth:
* Solar Power: Solar Thermal and Photovoltaics
* Geothermal energy, biomass and biofuels
* Our energy future (pp 54, 55)
* Renewable energy: approfondimenti individuali (educazione civica)

**Unit 9 Automation**

* What is automation?
* How automation works
* Automation in the house: domotics (Youtube video)
* Automation and innovation (Youtube video)
* Automation in industry and logistic: the Amazon Warehouses
* Pros and Cons of automation
* Robots in manufacturing
* Artificial intelligence

**LITERATURE**

* The Romantic Movement (Power Point)
* Characteristics of Romanticism
* *Cloud Study with Birds* by Constable
* William Wordsworth
* *I Wandered Lonely as a Cloud*

#### INVALSI

#### Esercitazioni di Listening and Reading in preparazione alla prova INVALSI

**GRAMMAR REVISION AND GENERAL ENGLISH (English Plus):**

* How to write an essay
* Question forms
* Tenses revision
* Texts: “Yes I can!”, “Is school uniform a good idea?” and “Outliers: the story of success”

Nota: Gli argomenti sono stati integrati da materiali (video, articoli, presentazioni, schede e ricerche) disponibili su Google Classroom, che sono parte integrante del programma.

La docente: Raffaella Vergombello

Gli studenti: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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