



*Istituto Statale di Istruzione Secondaria di 2° grado*  
**POLO TECNOLOGICO IMPERIESE**  
*I.T.I.S. "G.Galilei" - I.T.N. "A.Doria" - I.P.S.S.C.T./I.T.T. "U.Calvi"*



## PROGRAMMA ANNUALE

ANNO SCOLASTICO 2023/24

PROF. SSA: **Marina Biancamano**

MATERIA: **Inglese**

CLASSE: **V CH**

TESTI ADOTTATI: **Into Science – Creative English for scientific courses** by Elisabetta Grasso e Paola Melchiori  
CLITT **The Picture of Dorian Gray** by Oscar Wilde – Liberty

### **Literature**

**The Picture of Dorian Gray** by Oscar Wilde – Liberty (materiale su analisi del testo fornito da insegnante su Classroom)

### **Chemistry**

#### **Module 7**

#### **Nutrition**

Introduction

1. Proteins  
- Meat or veggie?
2. Carbohydrates
3. Lipids
4. Vitamins

#### **Module 5**

#### **Renewable Energy**

1. Energy  
- What is Energy?
2. Renewable and non-renewable sources of energy
3. Wind Power  
- Wind through history  
- Wind turbine generator
4. Solar energy  
- How does solar power work?

- Giant solar floating islands

#### 5. Geothermal Energy

- Geothermal power plants

#### 6. Hydropower

#### 7. Tidal and wave power

- Tidal energy

- Wave Energy

#### 8. Biomass energy

- Biomass

- Biofuel

### **Module 11**

#### **New frontiers**

#### 5. Bioplastics

- Biodegradability and compostability

- How to make bioplastic out of food waste, rather than food

### **Educazione Civica**

#### **Module 6**

#### **Sustainable Development**

1. What is sustainability?

3. UN Summit in New York and the Agenda 2030

7. Education for sustainable development

- What is global citizenship?

- Global citizenship education

- Education for sustainable development

- Goal 14: Conserve and sustainably use the oceans, seas and marine resources (materiale fornito da insegnante su Classroom)

- Ocean plastic pollution (materiale fornito da insegnante su Classroom)

### **History**

Winston Churchill Speech "We shall fight on the beaches" (materiale fornito dall'insegnante su Classroom)

Imperia, 15 Maggio 2024

La docente

Marina Biancamano