



ISTITUTO TECNICO INDUSTRIALE STATALE " GALILEO GALILEI "

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## PROGRAMMA D' INSEGNAMENTO



**SVOLTO**

**Dalla Prof.ssa Sandra Grotti**

**Insegnante di Lingua Inglese**

**Nella classe 5<sup>A</sup>ABA**

**Per l'Anno Scolastico 2023-2024**





## PROGRAMMA SVOLTO

Testi:

- P.Briano, A Matter of Life 3.0 , English for Chemistry, Biology and Biotechnology, Edisco
- G.Orwell , Animal Farm.

### A Matter of Life 3.0

#### Module 3 : The Chemistry of the living world

- What is Biochemistry?
- Carbohydrates
- Proteins
- Lipids
- Nucleic Acids

#### Module 4 : Microbes : Friends and Foes

- Microbes : the factory of everything
- Prokaryotes vs eukaryotes
- Invisible to the eye
- Growth requirements for micro-organisms
- Microbial biotechnology
- The dazzling colours of Biotechnology
- Microbes –Biotechnology's precious helpers

#### Module 5 : Taking care of our planet

- Earth's greatest threats
- Air pollution
- Water pollution
- Land pollution
- Be a part of the solution to pollution
- Environmental biotechnology
- Bioremediation
- Purifying water
- Green power-where our energy will come from



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## Literature

George Orwell : life and main works

His novel *Animal Farm*: structure and plot, main characters and themes.

Oscar Wilde and the Aesthetic movement:

His novel *The Picture of Dorian Gray*: plot, characters and main themes.

World War I : Siegfried Sassoon and his poem " Suicide in the trenches".

Sassoon's protest " A soldier's declaration".

The Christmas truce of 1914.

Didattica orientativa : Rappresentazione teatrale in lingua inglese " The Picture of Dorian Gray".