Anno scolastico	**2025/2026**
Disciplina	**LINGUA E CIVILTA' INGLESE**
Docente	**GIUSEPPINA CALI**
Classe	**4 A BA**
Indirizzo	**Chimica, Materiali e Biotecnologie**
Articolazione	**Chimica e Biotecnologie Ambientali**

ENGLISH FOR SPECIFIC PURPOSES(from the book "**A Matter of Life 4th edition** di Briano, Anerdi - Ed. Edisco)

MODULE 1 THE WONDER OF CHEMISTRY

Unit 1 Matter matters

- The substance of the universe
- What everything centres around
- The shelf where elements are organized - The periodic table
- How matter can change
- Pure substances and impure materials

Unit 2 A subject worth exploring

- The major branches of chemistry
- The minor branches of chemistry
- Chemical analysis
- Today's chemical industry

Unit 3 Hands on

- In the chemistry lab
- Laboratory equipment
- Microbiology lab equipment
- Measurement equipment
- Lab clean-up

MODULE 2 MORE WONDERS OF CHEMISTRY

Unit 1 Organic Chemistry

- Organic Chemistry in daily life
- Aromatic compounds vs Aliphatic compounds
- Polymers

Unit 2 The chemistry of materials

- Materials chemistry
- Types of Materials
- Properties of materials
- Industrial processes
- Bioplastics

MODULE 3 MICROBES AND BIOTECHNOLOGY

Unit 1 A microscopic world

- Microbes, the factory of everything
- Prokaryotes vs Eukaryotes
- Bacteria and Viruses
- Eukaryotic microorganisms
- Growth requirements for microbes

Unit 2 What is Biotechnology

- Microbial Biotechnology
- The dazzling colours of Biotechnology
- Applications of Biotechnologies in the Environment, Agriculture and Industry

CULTURE AND CIVILIZATION(from copied material and the book "World in progress "di Ferruta, Rooney, Knipe, Ed. Mondadori)

- Early British History: from the first Invasions to the Tudors(Revision)
- Tudor times
- The Elizabethan Theatre
- William Shakespeare, a polyhedric artist
- The Age of Revolutions (The Glorious revolution- The Industrial Revolution-The American Revolution)
- History of the USA, from the origins to the birth of the nation
- The American War of Independence - The Declaration of Independence
- The Second Industrial Revolution

EDUCAZIONE CIVICA Costituzione

- American Political System
- The American Constitution and the division of power
- The powers of the American President
- The American Congress and The Supreme Court

Milazzo, lì 26/05/2026

F.to La Docente

Giuseppina Calì

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Gli alunni

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