



Istituto Tecnico Industriale Statale "Q. Sella"
13900 BIELLA



Anno Scolastico 2024/2025

CLASSE V sez. A Indirizzo Chimica e Materiali

CLASSE V sez. B Indirizzo Chimica Biotechnologie Sanitarie

DISCIPLINA	LINGUA INGLESE
DOCENTE	GRAZIA SEMPREVIVO
TESTO/I ADOTTATO/I	"INTO SCIENCE – Creative English for scientific courses" Edizioni CLITT

Biella, 07.05.2025

L'insegnante:

Grazia Semprevivo



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PROGRAMMAZIONE DI DIPARTIMENTO

MODULE 1 – CULTURAL MATTERS (appunti forniti dalla docente)

American Voting System
BREXIT
The British system
The English Parliament
The European Election
The Industrial Revolution
The Victorian Age
Great Changes
The First World War
The 1929 Crisis and the second World War
Today's world
Cholera Disease

MODULE 2 – NUTRITION

Nutrition
Proteins
Carbohydrates
Lipids
Vitamins
Allergy and intolerance
Obesity
The beginnings of modern chemistry: R. Boyle and A. Lavoiser
The periodic table of elements
Separation processes: Chromatography; DNA Electrophoresis

MODULE 3 – GENE TECHNOLOGY

The Human genome project
Genetic engineering
Birth of gene technology
Techniques of modern gene technology: PCR; Gel Electrophoresis; Blotting; Gene Insertion; Restriction
Enzymes and Ligases.

MODULE 4 – ORGANIC CHEMISTRY (CLASSE 5A – CM)

Polymers
Synthetic Polymers
Oil

MODULE 4 – DISEASES IN THE WORLD (CLASSE 5B – CBS)

Neurodegenerative diseases
Dementia
DOC. 15/05



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Symptoms of dementia
Alzheimer's disease
AD stages
Diabetes
Diabetes type 1
Diabetes type 2
Cardiovascular Diseases
Hearth attack
Stroke
Symptoms and risk factors for stroke



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PROGRAMMA SVOLTO

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Diabetes

Diabetes type 1

Diabetes type 2

METODI UTILIZZATI

Lezioni Frontali

Lezioni Interattive (brainstorming using *mentimeter*, *quizizz*)

Cooperative Learning

Peer – to – peer learning

MEZZI E STRUMENTI

Libro di testo

Appunti forniti dalla docente

VERIFICHE

Listening tests

Verifiche orali

Verifiche scritte (*open questions, T/F exercises, fill the gaps, multiple choices*)

Reading Comprehension tests