



Ministero dell'Istruzione e del Merito

ISTITUTO DI ISTRUZIONE SUPERIORE "J. TORRIANI" - ISTITUTO TECNICO - LICEO SCIENTIFICO

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ISTITUTO PROFESSIONALE –Sede associata “ALA PONZONE CIMINO”

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PROGRAMMA SVOLTO

A.S. 2023/2024

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| DOCENTE: | Viola Buscaglia |
| DISCIPLINA: | Lingua Inglese |
| CLASSE: | 5AMAT |

Per ogni Modulo svolto vengono indicati i relativi contenuti affrontati.

| MODULO | CONTENUTI |
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| SCIENCEWISE MODULE 4 : CHEMISTRY WORKFIELD | Essential features of a chemistry laboratory Safety rules Lab glassware cleaning Reading: Marie Curie |
| SCIENCEWISE MODULE 5 : Organic Chemistry and Biochemistry | The chemistry of food Carbohydrates; mono-, di- and polysaccharides Proteins, the functions of proteins, the structures of the body formed from protein Lipids and fats and their functions Vitamins and minerals Food allergies and intolerances |
| SCIENCEWISE MODULE 5 : Polymers | Organic chemistry and biochemistry Polymerization The key role of carbon Functional groups and organic families Plastic (video explanation) Classifications of polymers, key characteristics, internal bonding mechanism, structure. |
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| <p>SCIENCEWISE MODULE 6: Biotechnology</p> | <p>Biochemistry, biology, genetics Genes and DNA (slides) Cellular characteristics: prokaryotic and eukaryotic cells Biotechnology and its innovations Genetic modification and artificial cloning GMOs: benefits and risks</p> |
| <p>PENICILLIN SCIENCEWISE MODULE 7: Science and Health</p> | <p>Extract from the article “Penicillin Production” The role of the immune system Pathogens: viruses, bacteria, fungi Prokaryotic organisms, eukaryotic microorganisms (video explanation) The importance of vaccines COVID 19: The different types of vaccines (video)</p> |
| <p>GRAMMAR</p> | <p>Revision of the main tenses Revision of 0,1,2 conditionals 3 rd conditional Reported speech Reported verbs Reported questions Reporting what someone has said Passive forms: all tenses</p> |
| <p>HISTORY AND LITERATURE ON CLASSROOM</p> | <p>History The first world war: introduction The second world war: introduction Churchill: the man who saved the free world George VI: bio, war outbreak speech (1939), victory speech (1945)</p> <p>Literature Poets of the First World War George Orwell: 1984, summary and main themes George Orwell: Animal Farm, summary and main themes A. Huxley: “Brave New World”: plot and themes.</p> |
| <p>CIVIC EDUCATION</p> | <p>The civil rights: introduction Martin Luther King and Rosa Parks, Gandhi Goal 16: Peace, justice and strong institutions</p> |
| <p>ULTIMATE INVALSI</p> | <p>Reading and listening activities: preparazione alla prova Invalsi</p> |

**ATTIVITA' CON DOCENTE
MADRELINGUA**

Attività con docente madrelingua su AI

Il programma è stato visionato e approvato dai rappresentanti degli studenti della classe

La docente Viola Buscaglia