

Programma di Inglese

Secondo biennio/ Quinto anno A.S. 2020/21

Obiettivi:

- Fare acquisire le competenze necessarie per comprendere testi che presentano termini, espressioni, strutture sintattiche e modalità discorsive specifiche del linguaggio scientifico e tecnico settoriale;
- Migliorare le capacità di ricezione e produzione orale e scritta,
- Arricchire il patrimonio lessicale,
- Sviluppare sensibilità per il rispetto e la protezione dell'ambiente con suggerimenti per comportamenti "eco-friendly"

Focuses.

Module 1: HANDS-ON

Science laboratories dress code, laboratory safety rules, bench Chemistry tools, Microbiology laboratory equipment, laboratory clean-up

Module 2: THE WONDER OF CHEMISTRY

The phases of matter, Atoms and molecules, the Periodic table, Chemical reactions, Elements, compounds and mixtures, the branches of Chemistry, Chemical analysis techniques, the chemical industry

Module 3: THE CHEMISTRIES OF LIFE

The importance of organic chemistry, Aromatic and aliphatic compounds, polymers, synthetic polymers, soaps and detergents, biochemistry, carbohydrates, proteins, lipids, nucleic acids

Module 4: MICROBES: FRIENDS AND FOES

Usefulness of microbes, Prokaryotes and eukaryotes, classification of microbes, growth requirements of microorganisms, microbial biotechnology, application of biotechnology, microbes used in biotechnology

Module 5: TAKING CARE OF OUR PLANET

Air/ water/ land pollution, what to do to reduce pollution, the energy of the future

Module 6: FOOD WORLD

Healthy eating, how to read food labels, food preservation, food additives, food biotechnology, food safety, milk, dairy products, wine making, beer brewing.

Testo di riferimento: " A matter of life"3.0, EDISCO

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