

ISTITUTO PARITARIO SANDRO PERTINI

Via Mercatello, 84 -83025- Borgo di Montoro (Av)

CHIMICA E MATERIALI

Programma lingua inglese

CLASSE 5

MODULE 1 :

Chemistry: basic principles

- What is chemistry about?
- The experimental method
- The SI: Measurements and physical quantities
- What is energy?
- Heat and temperature
- Volume
- Mass
- Density

In the chemistry laboratory

- What is a chemistry lab?
- Jobs and careers in chemistry
- Lab equipment: glassware
- Laboratory equipment: tools
- How to write a lab report
- Cleaning basics

MODULE 2:

Compounds and reactions

- Why are compounds and reactions considered the heart of chemistry
- Formulae and nomenclature
- Chemical reactions
- Acids, bases and salts

Energy sources

- What are the main types of energy sources?
- Fossil fuels
- Nuclear energy
- Renewable sources of energy

The Earth

- What is the Earth like?
- The structure of the Earth
- The surface of the Earth
- The atmosphere