

Istituto Paritario “S. Pertini”

Programma di “Lingua e civiltà inglese”

Classe: VA Elettrotecnica

MODULE 1: Energy and Energy sources

1. What is mechanical technology
2. What is energy
3. Alternative energy
4. How electricity is produced
5. Energy sources: oil
6. Energy sources: wind power
7. Solar energy
8. Nuclear power
9. Energy in developing countries
10. The greenhouse effect
11. Natural gas

Grammar focus: Present Simple vs Continuous

MODULE 2: Materials

1. Main properties of materials
2. Chemical properties
3. Mechanical properties
4. Thermal properties
5. Electrical properties
6. Environmental properties
7. Materials
8. Ferrous materials
9. Non ferrous materials
10. Plastics
11. Ceramics
12. Composites
13. Electrical materials

Grammar focus: Past Simple vs Continuous

MODULE 4 : Machine Tools

1. Cutting materials

2. Cermet
3. Nanotechnology
4. Machine tools: the use
5. Cutting tools
6. Milling
7. Types of milling machines
8. Milling problems
9. Grinding machines
10. The central lathe
11. Boring machines
12. Shapers and planers
13. Drilling machines
14. Press brakes

Grammar focus: Present Perfect Simple vs Continuous

MODULE 4: Metal Process

1. What is metal working
2. Hot forming process
3. Die casting
4. Sand casting
5. Plaster casting
6. Investment casting
7. Centrifugal
8. Continuous casting
9. Extrusion
10. Forging power metal process
11. Cold forming
12. Welding
13. Soldering
14. Brazing
15. Sheet metal processing

Grammar focus: Future Forms