

## PROGRAMMA FINALE DI INGLESE

Classe V S – IPIAS

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Dal libro di testo utilizzato: R.A. Rizzo, Smartmech , ed. Eli.

### MATERIALS SCIENCE

- What is materials science?
- Properties of materials
- Mechanical properties
- Thermal properties
- Electrical – magnetic and chemical properties
- Types of materials
- Metals
- Ferrous metals
- Non – ferrous metals
- Polymer materials
- Plastics
- Rubber

## *SAFETY FIRST!*

- The importance of safety
- Spot the hazards
- Assess the risk
- Safety education
- Safety in the workplace
- Safety garments
- Drilling machine safety rules
- Lathe safety rules

## *WHAT IS ENERGY?*

- What is alternative energy?

## *THE GREENHOUSE EFFECT*

- The effects of global warming
- Fossil fuels and climate change