

## PROGRAMMA SVOLTO

ANNO SCOLASTICO 2019-2020

MATERIA: LINGUA INGLESE

CLASSE: 4 A MAT

DOCENTE: CASAZZA ALESSANDRA

Dai libri di testo in adozione, **New Gear Up**, Il Capitello edizioni e **Slides from the World**, ed. Zanichelli sono stati trattati i seguenti argomenti. Parte del materiale di studio utilizzato è stato fornito in fotocopia o caricato in formato digitale in Didattica.

Contenuti svolti in presenza fino al 22/02/2020
<p><b>Module 2 : Energy sources</b> in <i>New Gear Up</i></p> <ul style="list-style-type: none"> <li>• What is energy p. 93</li> <li>• Geothermal energy p. 101</li> <li>• Geysers p. 102</li> <li>• Solar energy p. 104</li> <li>• Solar cells p. 104</li> </ul>
<p><b>Australia</b> in <i>Slides from the World</i></p> <ul style="list-style-type: none"> <li>• Sydney, Melbourne, Canberra, Perth pp. 82-83</li> <li>• Surviving in the outback p. 84</li> <li>• Australian wildlife p. 86</li> <li>• Charting Australia p. 87</li> <li>• The Aborigines p. 88</li> </ul>
<ul style="list-style-type: none"> <li>• Thanksgiving p.58 in <i>Slides from the World</i></li> <li>• Independence Day p.59 in <i>Slides from the World</i></li> <li>• The haka p.96 in <i>Slides from the World</i></li> </ul>
<p><b>Module 4: Mechanical technologies</b> in <i>New Gear Up</i></p> <ul style="list-style-type: none"> <li>• What is Mechanics? p.164</li> <li>• Disciplines of Mechanics p. 164</li> <li>• The mechanical engineer's task p. 166</li> <li>• Leonardo, the greatest mechanical engineer p. 167</li> <li>• Materials Science p. 168</li> <li>• The Material Ages p. 168</li> <li>• Stonehenge p. 169</li> <li>• Classification of materials according to the atomic structure p. 173</li> <li>• Classification of materials in Mechanical Engineering p. 175</li> <li>• Insulation materials p. 192</li> <li>• Air conditioning and refrigeration pp. 193-194</li> <li>• How a window air conditioner works p. 195</li> <li>• Landfills p. 202</li> <li>• Recycling in the past and today pp. 206-207</li> </ul>

Grammar topics:

Past tenses, future tense, comparatives, superlatives, false friends, modal verbs, the passive, word formation, duration form (con l'uso di *since* e *for*), l'uso dei link words, first conditional, phrasal verbs (fornite fotocopie e caricato materiale in didattica)

Trattazione di materiale autentico: *Understanding central heating systems*, da Association of Plumbing & Heating Contractors (fornito materiale in fotocopia)

**Module 5: Mechanics** in *New Gear Up*

- The lever p. 216
- Archimedes: the inventor of the lever and catapult p. 218
- Liquids' laws: buoyancy and flotation p. 219

Contenuti svolti in modalità a distanza dal 27/02/2020

- The car engine p. 225
- The combustion cycle p. 226
- The car engine-related systems p. 228

- i. The cooling system
- ii. The air intake system
- iii. The ignition and starting system
- iv. The lubrication system
- v. The fuel system
- vi. The exhaust system
- vii. The electrical system

**Module 6 Systems and automation** in *New Gear Up*

- The third Industrial revolution p. 301
- Global market competition p. 302
- Global - anti-global? p. 304

- A history of apartheid pp. 103-104, in *Slides from the World*
- The Soweto uprising (raccolto materiale online)

Adria, 6 giugno 2020

L'insegnante

Gli alunni

Alessandra Casazza