



Ministero dell'Istruzione
ISTITUTO DI ISTRUZIONE SUPERIORE "J. TORRIANI"
E-mail: cris004006@pec.istruzione.it, cris004006@istruzione.it
Sito Web: www.iistorriani.it
ISTITUTO TECNICO - LICEO SCIENTIFICO
Via Seminario, n° 17/19 - 26100 CREMONA ☎ 037228380 - Fax: 0372412602
ISTITUTO PROFESSIONALE - IeFP Sezione associata "ALA PONZONE CIMINO"
Via Gerolamo da Cremona, 23 - 26100 CREMONA ☎ 037235179 - Fax: 0372457603

PROGRAMMA SVOLTO
A.S. 2020/2021

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| DOCENTE: | Ilaria Bianchi |
| DISCIPLINA: | INGLESE |
| CLASSE: | 5 A ENE |

Per ogni Modulo svolto vengono indicati i relativi contenuti affrontati.

| MODULO | CONTENUTI |
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| "The Strange Case of Dr Jekyll and Mr Hyde" Reading of a graded version (CIDEB Black Cat) | Guided analysis of the novel's plot, characters and main themes |
| <u>WORK EXPERIENCE</u> Toolkit Unit 1; Google Classroom | Commonly used expressions to talk about one's job Brief report about one's personal work experience A mechanic's responsibilities, skills and tasks (how to describe one's training period) |
| <u>SAFETY ON THE WORKPLACE:</u> Mechanix: Module 1; Google Classroom | Hazard vs Risk. Fields and sectors in the workplace; health and safety issues in the work environment Safety signs Types of hazards Top five workplace hazards. MSDs Ergonomic: Improper body positioning, Problems and solution |
| <u>ENERGY- Modulo Ed. Civica</u> Mechanix: Modules 5 and 7 Toolkit: Unit 4. | What is energy? The Greenhouse Effect Clean energy. Pros and cons of solar and wind energy. Solar energy: how solar panels work; Photovoltaic panels Protecting the environment. Dependence on gasoline |

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| Google Classroom | Hydropower plants Fracking. Description of the process (shale gas extraction) Wind farms Geysers and Geothermal Energy |
| <u>AUTOMATION</u> Mechanix: Modules 3 and 9; Google Classroom | What is automation? The automation pyramid NC to CNC A short History of CNC NC and CNC machines The history of AutoCAD CAE,CAD,CAM, 3D printing |
| <u>THE INDUSTRIAL REVOLUTION</u> Modules 5 and 10; Google Classroom | The Cottage Industry The First Industrial Revolution. Key facts Innovations and inventions Quality of life during the first Industrial Revolution. Saltaire. Charles Dickens's "Hard Times": analysis of the extract "Coketown" Newcomen's Steam Atmospheric pump |
| <u>PRODUCTION</u> Module 10; Google Classroom | Mass production and the American System Henry Ford's assembly line and Model T Taylor and Taylorism |
| <u>ENGINES</u> Module 6; Google Classroom | Important parts of the engine Internal combustion engines; the four-stroke engine Engine problems The valve train and ignition system. The cooling system and the lubrication system Rudolph Diesel; the diesel engine Motorcycling Hybrid Cars |

Firma Docente _____

Data _____

Il programma è stato visionato e approvato dai rappresentanti degli studenti della classe.