|  |
| --- |
| **PROGRAMMA SVOLTO**ANNO SCOLASTICO 2023/2024 |
| **DOCENTE****Longoni Emanuela** | **MATERIA****Inglese** | **CLASSE****5MM1** |
| * **The history of the Internet**
* The 4th Industrial Revolution
* The Internet and the World Wide Web
* Artificial Intelligence
* Augmented reality
* Metaverse
* **Properties of materials**
* Metals
* Plc
* Cad
* **Maintenance**
* Corrective Maintenance
* Preventive Maintenance
* Predictive Maintenance
* **Shaping Materials conventionally**
	+ Machine tools and CNC machine tools
	+ Turning and Milling
	+ Drilling and Grinding
* **Safety**
	+ The importance of safety: hazards and risks
	+ Personal Protective Equipment
	+ Safety signs: warning, prohibition, obligation
* **Vehicles and Engines**
	+ Main parts of an internal combustion engine
	+ The four-stroke petrol engine
	+ The electric car
	+ Alternative engines: fuel cell vehicles, hybrid vehicles
* **Automation and robotics**
	+ Automation
	+ Robotic arms
	+ Robots vs Kobots
	+ Industrial robots
	+ The future of robotics
	+ Industry 4.0 and smart factories
	+ What is Industry 4.0? (YouTube video)
	+ IoT
	+ Machine Learning

**Educazione Civica:** * Agenda 2030: Goal 8 - 10 - 16
* Framework: Entrecomp

**Companies and their organization*** Supply chain management
* Achronyms: Ceo – Cco – Cto – Cfo – Seo
* Change Management
* KPI (Key Performance Indicators)

**Animal Farm”, by G.Orwell** * + Plot and characters
	+ Historical background
	+ Totalitarianisms and Communication
	+ The role of propaganda

**Application for a job and CV** * + Jobs and skills of the future
	+ How to write a CV
	+ The Labour market

 * **FCE format exercises**
* **Invalsi Reading and Listening Tests**
 |

|  |
| --- |
| **TESTI IN ADOZIONE**  |
| M. Robba – L. Rua, **MECHPOWER**, Edisco**FIRST FOR SCHOOLS TRAINER 2**, Cambridge |