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| **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** | | |

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