



Istituto Statale Istruzione Superiore  
"Isaac Newton" - VARESE



URS is a member of Registrar of Standards (Holdings) Ltd.  
United Registrar of Systems Certificate No. 35520/A/0002/UK/11

A.S.2016/2017

**PROGRAMMA DIDATTICO DI \_\_\_INGLESE\_\_\_\_\_**

DOCENTE\_Alba Francesco\_\_\_\_\_CLASSE \_\_4B Mecc\_\_\_\_\_

N.° ore teoriche	N.° ore pratiche	N.° ore totali	N.° ore previste
		84	

**Contenuti**

**Technical area.**

What is mechatronics? Reading and essay: mechanical technology and mechanical engineers. What is robotics? What is a robot? What is an industrial robot? Essay: "From mechanics to robotics". Towards the automatic factory: listening activity. Essay: "Automation in manufacturing" Wind plants. Solar collectors. Photovoltaic cells. Heating system. Types of boilers. Drones. Four-stroke engine: step by step process with time sequencers. Its components. Diesel engine and its differences from the petrol engine. The two-stroke engine.

**Grammar.**

Modal verbs. Present perfect and present perfect continuous. Will-future. Going to-future. Past continuous with past simple. Past perfect with past simple: after + ing, before + ing. I wish I had. I wish I had had. Conditional sentences of 0, 1st, 2nd, 3<sup>rd</sup> types. Relative pronouns. Would/Used to, to be used to and to get used to (together with mother tongue teacher).

**Mother language lessons by Ms Jane Bowie.**

Do you fancy....ing? What are you keen on? I'm keen on....ing. Do you feel like.....? Used to, to be used to...ing, to get used to...ing. What did you think of....your school trip? Have you ever....? We promise to...we are going to..... Political campaign. Pollution. Natural disasters. Food sophistication.



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### Attività di recupero

Robotics and automation. Solar collectors and photovoltaic cells. Present perfect and present perfect progressive. Past perfect and past simple. Past continuous and past simple. Conditional sentences. I wish I were. I wish I had been. Modals.

Varese, li 6 giugno 2017

il Docente  
Alba Francesco