

PROGRAMMA di INFORMATICA A.S. 2021/2022 - INDIRIZZO LICEO SCIENTIFICO
Opzione SCIENZE APPLICATE 2 E

Unità didattica di apprendimento	CONOSCENZE
AL-UDA 1 Algoritmi / Algorithm design and problem-solving	Algorithms, pseudocode, flow-chart diagrams, use of both when designing a solution to a problem IF.....THEN.....ELSE statements in a flow-chart diagram ed in pseudocode; Nested IFs FOR loop structure in a flow-chart diagram ed in pseudocode REPEAT.....UNTIL..... loop structure in a flow-chart diagram ed in pseudocode Use of CASE.....OTHERWISE.....END CASE in pseudocode WHILE loop structure in a flow-chart diagram ed in pseudocode

Unità didattica di apprendimento	CONOSCENZE
ACS-CD-UDA 1 Architettura di un computer / Hardware part 1	Factors that affect CPU performances
RC-SP-UDA 3 Dispositivi di I/O / Hardware part 2	Input and Output devices
RC-SP-UDA 4 Dispositivi di memorizzazione (Data Storage) / Hardware part 3	Data Storage (Primary and Secondary Storage) Optical secondary storage type Magnetic secondary storage type Solid-State secondary storage type Virtual Storage Cloud Storage
RC-SP-UDA 2 Rete / Hardware part 4	Packet switching, data packet Network Hardware (Network, NIC, Router, IP address vs. MAC address) IPv4 vs. IPv6, Static IP vs. Dynamic IP

Unità didattica di apprendimento	CONOSCENZE
ACS-CD-UDA 3 Sistemi automatizzati, Robotica e Intelligenza Artificiale / Automated and emerging technologies	Automated system, Schemes for Monitoring and Controlling, Sensors Automation in context, Robotics, AI, ML, Expert systems. Robots in context

LUOGO e DATA
Palermo, 30/05/2022

FIRMA DOCENTE
