

RELAZIONE DELL'ESPERIENZA DI MOBILITA'

NOME E COGNOME: Domenico Roberto Iannizzi

DESTINAZIONE: Malaga

TITOLO DEL CORSO: STEAM-THE-NEW-WAY-OF-TEACHING-AND-LEARNING

DURATA 05/06/2023 - 09/06/2023

RELAZIONE ATTIVITÀ'

DAY 1: COMPUTER PROGRAMMING AND LOGIC (5 hours)

- Initial Welcome
- Review of the programme agenda
- Course timetable
- Introductions
- What is STEAM? Skills
- Introduction to programming with offline activities

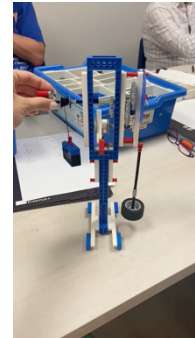


Conoscenza reciproca dei partecipanti; primo brainstorming sulle possibili attività didattiche che conciliano le materie STEAM

DAY 2: FIRST ROBOTS: PROGRAMMING WITH SCRATCH JR (5 hours)

- Presentation of floor robots
- Examples of previous participants activities
- Creating our own activity and map
- Block programming with Scratch JR

Esperienze STEAM con l'uso di Lego (macchine costruite con Lego) e coding.

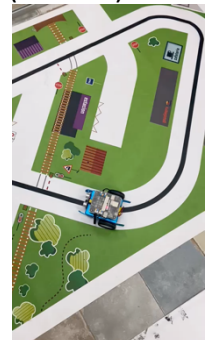


DAY 3: COMPUTER PROGRAMMING AND LOGIC. MBLOCK (5 hours)

- Introduction to programming
- Mblock software features
- Introduction to block programming with MBLOCK

DAY 4: CONSTRUCTION AND PROGRAMMING OF THE MBOT EDUCATIONAL ROBOT (5 hours)

- Characteristics of the mbot hardware
- Construction of the robot
- Hybrid programming with the computer
- Programming of movements, lights and sounds, LED screen
- Use and programming of the remote control
- Bluetooth communication



DAY 5: STEAM SKILLS INTO THE CURRÍCULUM. YOUR OWN STEAM LESSON (5 hours)

- Examples of projects that include STEAM skills (Music)
- Designing your own STEAM project applying what you learnt in the course

