

Engineering Technology & Science

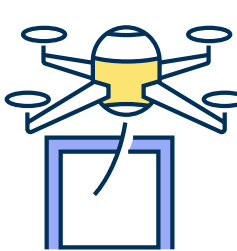


1 Aircraft Maintenance



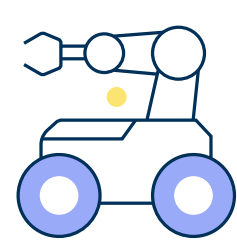
Category: WorldSkills
Chief Expert: Afwan Ghumra (ADA)
Description: Aircraft inspection and maintenance based on international standards.

2 Drones Competition



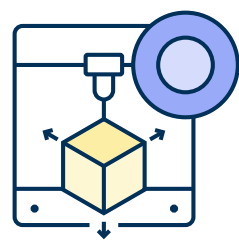
Category: HCT Skills
Chief Expert: Warren Fortunato (ADA)
Description: Drone assembly, programming, and executing real-world flight missions.

3 Autonomous Mobile Robotics



Category: WorldSkills
Chief Expert: Yasmeen Abukheil (ADA)
Description: Building, programming, and controlling mobile robots to complete assigned missions.

4 CAD-Based Design & 3D Printing



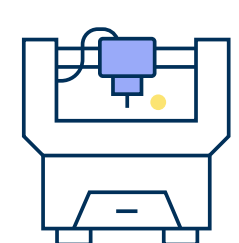
Category: HCT Skills
Chief Expert: Aisha Alameeri (SJA)
Description: Computer-aided design, prototyping, and additive manufacturing for industrial use.

5 Chemical Laboratory Skills



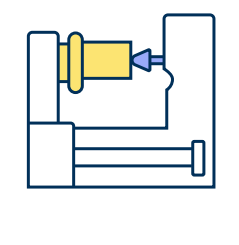
Category: WorldSkills
Chief Expert: Szu Szu Ling (ADA)
Description: Analytical testing, titrations, and laboratory operations for chemical industries.

6 CNC Milling



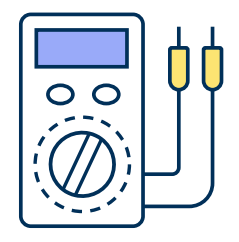
Category: WorldSkills
Chief Expert: Akram Habib (ADA)
Description: Programming, setting, and operating CNC milling machines with precision.

7 CNC Turning



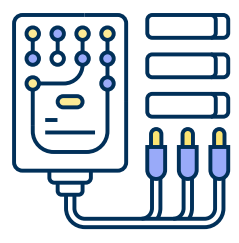
Category: WorldSkills
Chief Expert: Jaikumar Sankara (DBA)
Description: Precision programming and operation of CNC lathes.

8 Electrical Installations



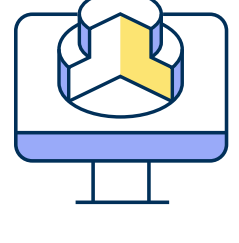
Category: WorldSkills
Chief Expert: Kamal Abquaaud (SJA)
Description: Wiring, safety systems, and electrical installations for residential and commercial buildings.

9 Industrial Control



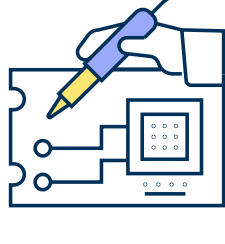
Category: WorldSkills
Chief Expert: Nasr-Eddine Bouhenna (ADA)
Description: PLC programming, automation, and process control in industry.

10 Mechanical Engineering CAD



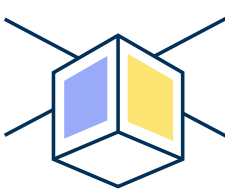
Category: WorldSkills
Chief Expert: Huned Bohari (ADA)
Description: 2D/3D mechanical design and technical drawing.

11 Electronics



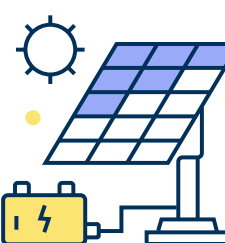
Category: WorldSkills
Chief Expert: Mahesh Nair (ADA)
Description: Designing, testing, and troubleshooting electronic circuits and devices.

12 CubeSat Technology



Category: HCT Skills
Chief Expert: Vu Thu (CS)
Description: Designing and programming CubeSat satellite models for space technology challenges.

13 Renewable Energy



Category: WorldSkills
Chief Expert: Yacouba Moumouni (RKB)
Description: Installation, maintenance, and troubleshooting of solar and renewable energy systems