

WorldSkills UK Training Manager – Specialist Skills

Please review these in tandem with application guidance in the Training Managing information pack.

WorldSkills Skill no. & Competition	Specialist Technical Skills
Software Testing	<p>A Training Manager for the WorldSkills Software Testing competition would need a range of specialist technical skills, including:</p> <ol style="list-style-type: none"> 1. Test Management: Expertise in planning, managing, and the allocation of resources for testing activities. Knowledge of current standards and technologies. 2. Communication: Customer management, high level communication and conflict resolution skills. 3. Test Planning: Ability to analyse requirements, prepare test plans. For example, Traceability Matrix creation/Test Estimation techniques, and set up test environments. 4. Test Design: Ability to design and prioritise test cases. Use common testing methods and tools to create and debug test scripts, and write clear, reusable test cases. For example, Decision Table Testing/ State Transition Testing/ Pairwise Testing (Orthogonal Arrays). 5. Test Implementation: Experience in using testing tools (performance, security, automated, etc.) to conduct tests, execute commands and SQL statements, report defects, assess severity and troubleshoot issues. For example, Integration Testing (Top-down, Bottom-up, Stub & Driver methodologies/ System Testing (End-to-End Validation, API Testing/ Security Testing using OWASP ZAP, Burp Suite/ Defect Tracking Tools: Bugzilla, Jira, HP ALM) 6. Reporting: Prepare detailed test reports, analyse results to assess software quality, and archive documentation for continuous improvement. For example, Generating HTML/PDF reports using Allure & ExtentReports/ Test coverage analysis via SonarQube/ Root Cause Analysis (RCA) methods.