



Faculty In-Service Day • May 17, 2024

AM Workshop Session (9:00A-10:50A) • B-5, Room 100

Presentation: Quick Install Workshop: Switches & Outlets

Presenters: Christopher Saucedo

Description: Step up your DIY skills at the 'Quick Install Workshop: Switches & Outlets,' a practical session designed to teach the essentials of residential electrical installations. Master the art of safely and efficiently installing switches and outlets, guided by hands-on demonstrations and expert instruction. Gain the confidence to tackle your home electrical projects with precision and safety—join us for an empowering learning experience that combines immediate feedback with real-world application.

Engagement Practice(s) Employed: Guided Skill Development

Guided Skill Development is an engagement practice that encompasses hands-on learning and instructor-led guidance for learners across various disciplines. This approach emphasizes the development of skills and confidence in a supportive and structured learning environment. By combining demonstrations, modeling, and group practice, participants can explore techniques, concepts, and ideas while receiving real-time feedback from both their peers and the instructor. This method not only helps learners to develop their individual skills but also enhances their understanding of the subject matter.

How the presenter used this practice:

- **Structured Demonstration:** Begin the class with a structured demonstration of the installation process for switches and outlets, highlighting key steps, safety considerations, and best practices. Provide clear explanations and visual aids to ensure understanding among peers.
- **Guided Hands-on Practice:** Facilitate guided hands-on practice sessions where peers work in pairs to install switches and outlets under your supervision. Offer step-by-step

guidance, troubleshooting assistance, and immediate feedback to reinforce correct techniques and address any challenges encountered during the installation process.

Adopting this practice in the classroom:

- **Structured Lab Sessions:** Incorporate structured lab sessions into the curriculum where students practice specific skills under the guidance of instructors. Break down complex tasks into manageable steps, providing clear instructions and demonstrations before allowing students to work independently with guidance and support as needed.
- **Real-world Projects with Guidance:** Assign projects that simulate real-world scenarios where students apply learned skills. Offer guidance throughout the project, from planning to completion, to help students connect classroom learning with practical applications and deepen their understanding.

Assessment Strategies or Key Take-Aways:

- **Performance Based Assessment:** Evaluate switch and outlet installation skills through a hands-on task checklist, focusing on accuracy, safety
- **Problem Solving Scenario:** Assess critical thinking by presenting real world switch and outlet scenarios, and evaluate students' ability to troubleshoot and propose solutions.