**🎭 Activity 3: “Everyday Water Woes” – Role-Play & Decision Game**

**🎙️ Activity Introduction**

"Everyday life brings many water-related problems. Some are caused by hard water and some by how we use it. In this activity, you will help different people solve their water problems by choosing the most effective action."

**👨‍💻 Developer Guide Instructions**

* Present **3 scenarios** one after another, using a consistent screen layout.
* Each scenario shows a **character image** and a **problem statement**.
* Provide **3 clickable choice buttons** with icons.
* When a choice is selected, display **immediate facilitative feedback**.
* Track answers; award cumulative badge if **2 or more correct**.

**🖥️ Learner Instructions (On-Screen)**

1. Read each person’s water problem.
2. Choose the best solution from the options.
3. Learn from the feedback after each choice.
4. Try to get at least **2 correct answers** to earn your badge.

**💡 Hint**

"Think about whether the problem is caused by hard water, and if so, what method will remove or reduce the minerals causing it."

**📜 Activity Content**

**🧪 Scenario 1: Aisha’s Laundry Problem**

**Problem**: “Aisha is doing laundry. Her soap is not lathering. Her mum says: ‘We have hard water!’ What should Amina do to solve this problem?”

**Choices & Facilitative Feedbacks**:

1. 🧴 **Use more soap** ❌
   * “That wastes soap. The problem is not the amount — it is that hard water does not lather well due to calcium and magnesium ions.”
2. 🔥 **Boil the water** ✅
   * “Well done! Boiling removes temporary hardness by turning calcium hydrogen carbonate into calcium carbonate, which forms a precipitate.”
3. 🧼 **Switch to detergent** ❌
   * “Detergents can work in hard water, but they are more expensive. Boiling is a better option for temporary hardness.”

**☕ Scenario 2: Grandpa’s Kettle Trouble**

**Problem**: “Grandpa notices a white crust inside his kettle after several boils. He is confused and asks for help.”

**Choices & Facilitative Feedbacks**:

1. 🔄 **Boil the water repeatedly** ❌
   * “Repeating the boiling makes the scale worse. The minerals are still there.”
2. 💊 **Add washing soda to kettle** ❌
   * “No — washing soda is not food-safe. It is meant for laundry water, not drinking water.”
3. 🚿 **Use pre-boiled or distilled water** ✅
   * “Yes! Using softened or distilled water prevents limescale buildup in kettles.”

**🚿 Scenario 3: Musa’s Itchy Skin**

**Problem**: “Musa complains that his skin feels dry and itchy after bathing. His family just moved to a new house that uses borehole water.”

**Choices & Facilitative Feedbacks**:

1. 🧴 **Use more soap when bathing** ❌
   * “More soap in hard water will only increase scum and worsen irritation.”
2. 🧼 **Install a water softener for bathroom taps** ✅
   * “Correct. Softened water is gentler on the skin and helps soap lather better.”
3. 💦 **Switch to cold water showers** ❌
   * “Temperature may help comfort, but it does not solve the hardness problem.”

**🎙️ Activity Conclusion**

"You solved real-life water problems just like a water-use expert! Whether for laundry, bathing, or making tea, you now know when and how to soften water in daily life."