**🏠 Activity 1: Interactive Map – “Water Use Around the House”**

**🎙️ Activity Introduction**

"Explore the house and decide where soft water or hard water should be used. Each choice affects health, cleaning, appliances, or plants. Think like a home scientist and plan smart water use!"

**🛠 Developer Guide Instructions**

* Use a **top-view diagram of a house** with **five clickable zones**.
* On each click, display:
  + Water type selection (radio buttons or toggle: Hard / Soft)
  + Submit button
  + Explanation box revealing why that water type is best for that location.
* Disable the next hotspot until the current one is completed.
* Log progress as each location is explored.
* Trigger a **completion animation** when all 5 zones are done (e.g., house glows).

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

* "Click on each location in the house to decide if hard water or soft water is best there."
* "Select your answer and read the explanation for why that choice is recommended."
* "Visit all areas to complete your water plan."

**💡 Hints (On-Screen)**

* "Think about the effects of minerals in water."
* "Consider health, cleaning, and appliance maintenance."
* "Some uses benefit from minerals, others do not."

**📜 Activity Content – Locations and Explanations**

|  |  |  |
| --- | --- | --- |
| **Location** | **Best Choice** | **Explanation** |
| 🍽️ Kitchen Tap | Hard Water | Hard water contains calcium and magnesium, which are healthy minerals for drinking. |
| 👚 Washing Machine | Soft Water | Soft water lathers well, reduces detergent use, and prevents mineral deposits on clothes. |
| 🚿 Shower | Soft Water | Soft water is gentle on hair and skin, preventing dryness and avoiding soap scum buildup. |
| 🔥 Water Heater | Soft Water | Soft water prevents scale formation inside heating coils, extending appliance life. |
| 🌿 Garden Hose | Hard Water | Minerals in hard water can benefit plants and support healthy growth. |

**🎙️ Activity Conclusion**

"You are now a certified Water Planner! Knowing where to use soft or hard water helps save appliances, protect health, and care for nature."