Proclamation of 1763 Diorama Plan with Hummingbird Components

Boundary Line Illumination: Use LEDs to outline the boundary established by the Proclamation, separating colonial lands from Native American territories.

Colonial Expansion Halt: Simulate the halt of colonial expansion with servo wheels under the diorama surface, creating a physical barrier or movement that stops settlers' figures.

River Trade Routes: Represent trade routes with blue fabric for rivers, using servo motors underneath to simulate water flow. Small boats can be attached to the servos to show movement along these routes.

Discontent and Debate Sounds: Incorporate sound sensors to trigger voices of debate or discontent among colonists and Native Americans when someone approaches the diorama.

Dynamic Boundary Interactions: Use distance sensors to animate figures representing colonists and Native Americans moving closer or farther from the boundary as viewers interact with the scene.

Campfire Meetings: Utilize LEDs to create campfires where secret meetings between colonists and Native Americans take place, discussing the impact of the Proclamation.

Scout and Messenger Movements: Employ servo motors to animate scouts or messengers moving across the boundary, despite the restrictions.

Flag Representations: Use small motors to raise and lower flags representing British authority and various Native American tribes along the boundary.

Interactive Proclamation Map: Set up a map of the territories affected by the Proclamation, with distance sensors illuminating specific areas when triggered, showing where tensions were highest.

Mood Lighting with Tri-color LEDs: Change the mood of different areas (colonial settlements, Native lands, contested areas) using tri-color LEDs to reflect peace, tension, or conflict.

Signal Fires and Lanterns: Implement LEDs to represent signal fires and lanterns, used for communication or to signal secret gatherings.

Proclamation Announcement: Use servo motors to simulate the delivery of the Proclamation document to various groups, opening scrolls or raising hands.

Reactions to Proclamation: Motion sensors trigger animations showing various groups' reactions—some figures might step back in dismay, while others nod in agreement.

Alliance Discussions: Highlight discussions between colonial leaders and Native American chiefs with LEDs, focusing on the negotiations and reactions to the Proclamation.

Rotary Sensor for Geographic Exploration: Allow viewers to explore different aspects of the newly defined territories by turning a rotary sensor to navigate the diorama or change views.

Settler and Native American Encounters: Simulate encounters along the boundary with motion or light sensors, revealing peaceful exchanges or conflicts hidden until activated.

Life on Both Sides of the Boundary: Animate daily life scenes in settlements and Native villages using servo motors, illustrating the differences in lifestyle and the impacts of the Proclamation.

Documentary Elements: Include QR codes near significant scenes or elements. When scanned, these codes provide historical background, context, and the consequences of the Proclamation of 1763.

Seasonal Changes Across the Boundary: Use tri-color LEDs to show seasonal changes on both sides of the boundary, highlighting the natural beauty of the land and the impact of the seasons on life there.