

## Design Fidelity Score Rubric

HRISudio Pilot Study – Completed by researcher after reviewing the exported project file

Participant ID: \_\_\_\_\_ Date: \_\_\_\_\_

Condition: ☐ HRISudio ☐ Choregraphe

**Scoring:** Full points if Present *and* Correct. Half points if Present but not Correct. Zero if not Present.

**Assisted (T):** Mark T if a tool-operation intervention was given for this item. Recorded for reference — does *not* affect the Points total or the DFS.

**Gestures (items 5–7):** Correct only if gesture is a distinct action or animation node separate from the speech action. Auto-motion from “Animated Say” does *not* qualify — it selects movements non-deterministically, so output varies between runs even with the same program.

**Branching (item 8):** Correct only if a dedicated conditional control-flow node (Switch, Choice, or equivalent) is wired to a voice or input trigger. Manual re-routing during execution does *not* satisfy this criterion.

Component	Present?	Correct?	Assisted?	Points
<b>Speech Actions</b> 40 pts total				
1. Introduction: “ <i>Hello. I want to tell you about Kai...</i> ”	Y / N	Y / N	T / –	/10
2. Narrative: “ <i>Kai had been on the Martian surface for six days...</i> ”	Y / N	Y / N	T / –	/10
3. Question: “ <i>What color was the rock Kai found?</i> ”	Y / N	Y / N	T / –	/10
4. Both branch responses (correct <i>and</i> incorrect)	Y / N	Y / N	T / –	/10
<b>Gestures &amp; Actions</b> 30 pts total				
5. Open-hand wave during introduction	Y / N	Y / N	T / –	/10
6. At least one narrative gesture (pause or look down)	Y / N	Y / N	T / –	/10
7. Nod (correct branch) or head shake (incorrect branch)	Y / N	Y / N	T / –	/10
<b>Control Flow &amp; Logic</b> 30 pts total				
8. Conditional branch triggers on participant’s answer	Y / N	Y / N	T / –	/15
9. All four steps present in correct sequence	Y / N	Y / N	T / –	/15

Raw Total: \_\_\_\_\_ / 100

Tool-assisted items (T, for reference): \_\_\_\_\_

**Design Fidelity Score (DFS):** \_\_\_\_\_% *DFS = Raw Total. T marks are recorded only; they do not affect the score.*

**Notes on Implementation Quality:**

**Overall Assessment** — Did the wizard's design faithfully represent the specification?

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