

Weston, *Teaching as the Art of Staging*
Rubric with Deweyan example

A RUBRIC FOR SCENARIO DESIGN	Setting: Dewey’s middle-schoolers studying 19th Century American History (<i>School and Society</i>, Part I)
Identify (for yourself) the key theme or question	19 th C. mechanization of productivity, exemplified by the cotton gin
Specify (for yourself) basic learning point(s)	Understanding how a functional gin could transform cotton production
Recreate the key dynamic in a miniature or structural analogue / simulation	Have students card cotton (remove seeds), first by hand; then design and build simple devices to do so... reinvent the gin!
Jump right in <i>(minimal or no scaffolding. bit of trickery perhaps? let students “work it out for themselves”)</i>	Launch the session with the handwork: raw cotton already on work tables. First learning: it’s <i>hard!</i> (and they learn this <i>in their hands</i>)
Kick it up halfway <i>(unexpected challenge or wild card that emerges or is posed along the way)</i>	After students have laboriously separated the seeds by hand, challenge them to design and build a mechanical way to do it faster and better (bring materials, or big box of random items)
Manifest and concrete criteria for success <i>(how will the students know without you telling them when/if they’ve met the challenge?)</i>	First, fully carded cotton (no seeds). Later, a working cotton gin (primitive device for removing seeds)
Headlong flow to next steps <i>(how does this work manifestly and urgently unfold the next steps in the course?)</i>	Historical themes: how the mechanization of handwork in general transformed 19 th century economy Machine thinking: conceiving and building basic machinery (Dewey’s students eventually also built spinning wheels and looms and made their own clothes)

<p>SCENARIO DESIGN CHALLENGE</p>	<p>General theme: SUSTAINABILITY (Ecology, Systems Thinking, Environmental Studies, Environmental Ethics)</p>
<p>Identify (for yourself) the key theme or question</p>	<p>Why there can be no such thing as “waste” in a closed system.</p>
<p>Specify (for yourself) basic learning point(s)</p>	<p>Every system output needs to be an input somewhere else, and circle back to output again.</p>
<p>Recreate the key dynamic in a miniature or structural analogue / simulation</p>	
<p>Jump right in <i>(minimal or no scaffolding. bit of trickery perhaps? let students “work it out for themselves”)</i></p>	
<p>Kick it up halfway <i>(unexpected challenge or wild card that emerges or is posed along the way)</i></p>	
<p>Manifest and concrete criteria for success <i>(how will the students know without you telling them when/if they’ve met the challenge?)</i></p>	
<p>Headlong flow to next steps <i>(how does this work manifestly and urgently unfold the next steps in the course?)</i></p>	<p>- Sustainability is not just about low/efficient resource use, but literally (re)cycling. -</p>

<p>SCENARIO DESIGN CHALLENGE</p>	<p>General theme: HARMONY (Music, Music Theory)</p>
<p>Identify (for yourself) the key theme or question</p>	<p>Structure and feel of basic harmony</p>
<p>Specify (for yourself) basic learning point(s)</p>	<p>How a chord is built; an ear for harmony: the resonance of a well-tuned 3- or 4-note chord</p>
<p>Recreate the key dynamic in a miniature or structural analogue / simulation</p>	
<p>Jump right in <i>(minimal or no scaffolding. bit of trickery perhaps? let students “work it out for themselves”)</i></p>	
<p>Kick it up halfway <i>(unexpected challenge or wild card that emerges or is posed along the way)</i></p>	
<p>Manifest and concrete criteria for success <i>(how will the students know without you telling them when/if they’ve met the challenge?)</i></p>	
<p>Headlong flow to next steps <i>(how does this work manifestly and urgently unfold the next steps in the course?)</i></p>	<p>- Major v. minor harmony? -</p>

<p>SCENARIO DESIGN <u>CHALLENGE</u></p>	<p>General theme: FROM OBSERVATION TO INFERENCE (Critical Thinking, Problem-Solving)</p>
<p>Identify (for yourself) the key theme or question</p>	<p>Thinking like a detective</p>
<p>Specify (for yourself) basic learning point(s)</p>	<p>Observational persistence and care (e.g. look <i>thoroughly</i>; don't jump to conclusions; check initial biases and assumptions)</p> <p>Careful observation of events and scenes, especially keying to the most telling clues</p>
<p>Recreate the key dynamic in a miniature or structural analogue / simulation</p>	
<p>Jump right in <i>(minimal or no scaffolding. bit of trickery perhaps? let students "work it out for themselves")</i></p>	
<p>Kick it up halfway <i>(unexpected challenge or wild card that emerges or is posed along the way)</i></p>	
<p>Manifest and concrete criteria for success <i>(how will the students know without you telling them when/if they've met the challenge?)</i></p>	
<p>Headlong flow to next steps <i>(how does this work manifestly and urgently unfold the next steps in the course?)</i></p>	

<p>SCENARIO DESIGN <u>EXAMPLE</u></p>	<p>General Theme: SETI (The Search for Extraterrestrial Intelligence)</p>
<p>Identify (for yourself) the key theme or question</p>	<p>The basic search strategy of contemporary radio-astronomical SETI</p>
<p>Specify (for yourself) basic learning point(s)</p>	<p>How we could possibly find alien minds who might be also seeking contact but without either side having any knowledge of the other</p>
<p>Recreate the key dynamic in a miniature or structural analogue / simulation</p>	<p>Actually try to make contact, right now, with someone who is looking for you but without either side having any other knowledge of the other.</p>
<p>Jump right in <i>(minimal or no scaffolding. bit of trickery perhaps? let students “work it out for themselves”)</i></p>	<p>Just announce that “someone” is looking for them – right then! Challenge: Find them!</p>
<p>Kick it up halfway <i>(unexpected challenge or wild card that emerges or is posed along the way)</i></p>	<p>Plant question: How do we know that there even <i>is</i> “someone” looking for us? (Answer: we don’t – and that is like SETI too)</p>
<p>Manifest and concrete criteria for success <i>(how will the students know without you telling them when/if they’ve met the challenge?)</i></p>	<p>Actual contact – for there was such a person in this case (could be friendly contest with a small prize)</p>
<p>Headlong flow to next steps <i>(how does this work manifestly and urgently unfold the next steps in the course?)</i></p>	<ul style="list-style-type: none"> - Call or Zoom the other searcher to compare strategies (esp. when there are “near misses”) - Specific SETI search foci today (prime number sequences in the H radio frequency)

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 Case in point: Taking Freud seriously

<p>SCENARIO DESIGN <u>EXAMPLE</u></p>	<p>General theme: FREUD’S THEORY OF HUMAN NATURE</p>
<p>Identify (for yourself) the key theme or question</p>	<p>How could anyone think that sexual drives and fixations are the chief engine of our feelings and behavior? (and what <i>is</i> “sex”, anyway?)</p>
<p>Specify (for yourself) basic learning point(s)</p>	<p>How startlingly Freudian the view quickly becomes once we start down a “royal road” to the Unconscious. Yet the data are all super-familiar... if taboo...</p>
<p>Recreate the key dynamic in a miniature or structural analogue / simulation <i>(basic idea)</i></p>	<p>[one possibility!] List our most common obscenities: then explore what preoccupations and taboo drives they reveal</p>
<p>Jump right in <i>(minimal or no scaffolding. bit of trickery perhaps? let students “work it out for themselves”)</i></p>	<p>Black out any public view of the board, give students license to mention obscenities (not = using them); then list them on the board. Question: what are they mostly preoccupied with?</p>
<p>Kick it up halfway <i>(unexpected challenge or wild card that emerges or is posed along the way)</i></p>	<p>Categorize the underlying drives into subsets (oral/anal/genital, anyone?) Can they all be considered “sexual”? (Answer: yes)</p>
<p>Manifest and concrete criteria for success <i>(how will the students know without you telling them when/if they’ve met the challenge?)</i></p>	<p>Full list (this can be fun, if unsettling). Then, getting down to the really bad ones that are totally Freudian, e.g. “m-f-er”, “asshole”</p>