Light on a Sphere | Teacher Guide

Visual Arts Skills & Growth Lab • Lesson 007 • Grades 6–8 • light modeling • 3–5 sessions

Essential inquiry

How can we explore highlight core shadow and reflected light through light modeling and communicate an original idea?

Cultural or technical context

highlight core shadow and reflected light. Teach technical knowledge through practice and reflection without presenting mastery as identical results. Offer material and accessibility alternatives.

Learning targets

Students will demonstrate light modeling; research the relevant context; create an original artifact or composition; justify at least one change after critique.

Materials and preparation

Sketchbook or paper, pencils, media needed for light modeling, reference objects, process-log sheet, classroom-safe supplies.

Differentiation

Students investigate maker and context, test three options, justify their design choices, and document one revision.

Extension beyond Grade 12

Adult and advanced learners may expand this lesson into a self-directed series, research comparative methods, document portfolio-quality process evidence, and develop a public-facing critical rationale.

Ten-step teaching sequence

01. Notice two contrasting examples or observations associated with highlight core shadow and reflected light; name one uncertainty.
02. Investigate who made or uses the source material and what context must be represented accurately.
03. Complete two low-stakes trials of light modeling; label what changed between trials.
04. Sketch three independent approaches to the question: highlight core shadow and reflected light.
05. Select one approach; plan materials, ethical citation, composition and success criteria.
06. Draw a sphere under two changing light sources. Record one decision that differs from the first sketch.
07. Give peer feedback using one visible detail and one clarifying question.
08. Revise at least one element based on evidence; photograph or annotate the change.
09. Present artwork with an artist statement, source credit and medium information.
10. Explain how the technique and concept developed, plus one next studio goal.

Discussion prompts

01. What evidence tells you something important about highlight core shadow and reflected light?
02. How does light modeling change the meaning of the result?
03. Which source is being credited, and whose voice is missing?
04. What feedback prompted a visible or audible revision?

Formative assessment

At entry: one baseline observation. During: two skill trials and a peer critique. Exit: final result, revision evidence and source credit.

Safety and accessibility

Provide accessible participation roles, sensory accommodations and clear consent for any recordings or images.

Reference and standards note

https://www.nationalartsstandards.org/
https://www.arteducators.org/
Align locally with current grade-level arts standards; do not treat this resource as a verified Louisiana standards crosswalk.

RIGHTS & CLASSROOM USE

Studio Fieldnotes | Educational Resource License

Copyright (c) 2026 Killian Williams-Morantine, to the extent legally owned and copyrightable. Other contributors and rights holders retain their rights.

PERMITTED: An individual educator may download, print, and adapt this resource for noncommercial instruction in their own classroom or program, including private distribution to enrolled students and caregivers.
Keep credit, this notice, and source notes with the material.

NOT INCLUDED: Resale, paid redistribution, reposting full resources to **public repositories, presenting this work as your own, or institutional** bulk licensing without separate written authorization.

EXCEPTIONS: This notice does not limit fair use or other rights under law. **Facts, ideas, cultural traditions, and third-party materials are not** claimed as exclusive property. Source media may have separate rights.

VERIFY: Teachers must check local standards, safety, accessibility, **cultural accuracy, and all music or image permissions before use.**

Full terms: killianwilliamsmorantine.com/rights-and-use.html
Image policy: killianwilliamsmorantine.com/image-credits-and-provenance.html
Permission requests: killianwilliamsmorantine.com/contact.html