The Use of Visual Art in Teaching Chemical Engineering

Visual stimuli can be very impactful in communicating the gravity of the situation. Below are works of Will Willson which could be used in conjunction with the fluid dynamics example problem. The first, a drone picture of Church Rock Uranium Mill Spill referred to in this modified problem and the second showing the impact of the toxic environment he inhabits as a Najavo man due to the environmental damage.

The Block Museum at Northwestern is extremely open to collaboration for using art in teaching (see more after images below).

Will Wilson Auto Immune Response (AIR) series. Wilson describes the series’ subject as “the quixotic relationship between a post-apocalyptic Diné (Navajo) man and the devastatingly beautiful, but toxic environment he inhabits.”

Browse Wilson’s collection:

https://www.extractionart.org/mocna
https://willwilson.photoshelter.com/gallery/Connecting-the-Dots/G0000_E93oSBnsNk

Collaboration with the Block Museum at Northwestern

“The Block supports teaching with visual art across Northwestern campuses. Through our work with exhibitions, collections, and programming we aspire to connect with every department and school at Northwestern and to make The Block meaningful to your work and to your students. Faculty who have worked with The Block come from departments as diverse as Anthropology, Art History, English, and Music, and Schools as diverse as Engineering, Law, and Journalism. Connect with us to develop projects and exchange ideas on how to incorporate museum experiences into teaching and research. “ - The Block Museum

Link to Block Museum: https://www.blockmuseum.northwestern.edu/teaching-learning/index.html