

Bridging the boundaries of science and art for business students: Integrating botany and artistic perspectives to teach environmental literacy

Table 2: Summaries of student responses as written reflections when asked to create a piece of botanical artwork. Reflections were noted whether specific artists served as influence, scientific concepts were explained, and human connection to nature discussed

Proposal	Specific artist influence Y/N and who?	Science concept Y/N and what?	Activist/ Educate/ Human Connection/ Spirituality
Carved wooden sunflower	Y - Matsuda	Yes - Life cycle	Human connection- we are a part of nature
Newsprint text collage on botanical form	Y - Tomaselli	N	Human connection- we are a part of nature
Anti-pesticide steel sculpture/mixed media	Y - Arcimboldo	N	Activist/Educate on pesticide danger
Regional botanical material labyrinth	N - not stated but parallels Sharon Kallis	N	Human connection/spirituality
East coastal botanical field guide	N	Y - Regional field guide	Human connection/Educate - familial history
Paintings/sculpture about roots/rootedness	N	Y - Roots Functions	Human connection - metaphor for life
Dissected garden plants	Y - Alison Williams	Y - demonstrate plant anatomy/ function	Educate people about gardening
Meditative/memorial garden	N	N	Human connection - plants helping with grief
Ceramic garden of Eden - only one fruit	Y - Cynthia Consentino	N	Activist/Conservation reminder
Mix media charcoal/fall leaf collage landscape	N	N	Human connection - joy of landscape
Super-flower sculpture from many flower parts	Y - Tomaselli	N	Human connection - beauty
Petals as color source for symbol	Y - Wolfgang Laib	N	Human connection - plants as reminder of place
B/W personal landscapes with flowers as the color	N	N	Human connection - plants as connected to place
Landscape painting	N	N	Human connection to landscape
Live/dead plant in contrasting environments	N	N	Activism - conservation education
Bamboo globe	N	N	Education - sustainable material conservation
Rooftop garden on Madison Square Garden	Y - Lina Maria Giraldo	N	Educate people about gardening & local food sources
Art showing each stages of flowers life - across different types	N- not stated but imagery has parallels to Alison Williams	Y - Life cycle	Educate - plant life cycle
Bringing Paleo to life - botanical painting of edibles	N	N	Human connection to environment
Using sticks and petals to paint	N	N	Human connection - life cycle