

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

**Table 1:** Description of artists and their work that the students were introduced to within the pre-class slide show

<b>Artist and time period</b>	<b>Use and representation of plants</b>	<b>Media used</b>
William Henry Fox Talbot 1800-1877	The photogram process draws attention to the shape and density of the plants represented.	Photograms created by setting plants on “Salted Paper” That Talbot described as a photogenic drawing process
Giuseppe Arcimboldo 1527-1593	Metaphor for human connectedness to plants and awareness of seasonal growth cycle	Oil paintings using seasonal leaves, flowers and fruits to make up the head, body and clothing of a portrait- titles Winter, Spring...
Phillip Haas Contemporary Artist	Metaphor for human connectedness to plants and awareness of seasonal growth cycle	15 ft tall fiberglass portrait bust sculptures inspired by Arcimboldo
Fred Tomaselli Contemporary Artist	Using psychoactive plant materials in a visual representation in order to create a psychological response in the viewer	Collage using psychoactive plant materials. The artist’s collage material archive is arranged in terms of species, genus, size color
Lana Caplan Contemporary Artist	Combining plant and animal anatomy plays with the metaphors of genetic modification	Photograms
Lina Maria Giraldo Contemporary Artist	Translucent photo prints of oversized poppies and fumigation planes installed in large campus lounge windows to address the issue of the environmental costs of “Plan Columbia”	Translucent color photo prints
Steve Aishman Contemporary Artist	In an accompanying video the artist demonstrates and explains the grafting process behind the creation of his single plant multi- variety plant bouquets	Photographic documentation of super-flower bouquets grafted by the artist
Deb Todd Wheeler Contemporary Artist	The diversity of the flowers/ plants created draws attention to the biodiversity that is threatened by material waste in the natural environment	Flowers made from refuse plastic bags by gallery visitors creates a diverse multitude of flowers. Using a waste material as an art material diverts it from the waste stream.
Kyoung Ae Cho Contemporary Artist	Drawing parallels between the incremental growth of crafted objects and the time frame of the growth and decay process in nature: beauty in ephemerality	Creating a “ quilt” by sewing leaves into silk and other plant based fibers
Alison Williams Contemporary Artist	The artist uses the natural forces of growth and decay as artistic processes, burying canvases, making floral extracts for display and embedding plant materials in paintings	Green house sculptures that are combined growing spaces and art display spaces
Wolfgang Laib Contemporary Artist	Highlighting the importance of pollen and pollinators through the artist’s meditative process of hand collecting pollen from the environment	Installation works using pollen, laboriously hand collected by the artist to create ‘drawings’ by staining a large surface or sculptural installation using pollen

Cynthia Consentino Contemporary Artist	Looking at cultural associations of flowers and children, especially girls	Ceramic sculpture of figures with flowers emerging from different parts of the body
Sharon Kallis Contemporary Artist	Harvesting invasive species for erosion control. Growing and collecting plants for creation of fiber, to make thread and then textiles	Fiber installation / community based projects that address environmental concerns through the combination of plants and craft
Ori Gersht Contemporary Artist	Landscape as witness to history	Video: Floral and fruit still life's are shot or destroyed through explosives, the process is captured in slow motion
Patrick Dougherty Contemporary Artist	Landscape as witness to history	Sculptural and architectural environments created through woven saplings, community collaboration in sculpture construction process, volunteers collect saplings that become part of the large works
Georgia O'Keefe 1887-1986	The extreme close ups of the flowers represented speaks to the simultaneous discovery of forms in magnification and close attention	Oil paintings- extreme enlarged close-ups of flowers
Steve Hollinger Contemporary Artist	The contrast of the box and the leaf highlights the leaf's structure, the erosion of the leaf's blade draws attention to its petiole, ribs, and veins	Boxes made from eroded leaves
Tatyana Yanyshesky Contemporary Artist	Knit flowers as three dimensional botanical illustrations- the use of another material to represent the plant highlights aspects of the plants anatomy	Knit flowers and plants
Andy Goldsworthy Contemporary Artist	Ephemerality and nature's cycle of growth, fruition, and decay.	Environmental sculpture and installation using only materials available in the direct landscape- many works visible only through photo documentation
Thomas Matsuda Contemporary Artist	Connection of spiritual practices with nature's life cycles	Traditional and contemporary wood carving- using burning in the carving process for larger works
Deborah Butterfield Contemporary Artist	Connection of domestic animals to the natural environment	Life size horse sculptures made from branches, driftwood
Denise Driscoll, Mary Begin, Mirela Sahlenu Contemporary Artists	Drawing parallels between the incremental growth of crafted objects and the time frame of the growth and decay process in nature.	"Garden" installation created with artist sewn plants from a range of ecosystems
Mary Louise Geering	Cut-open "log book" sculpture with leaves inside- suggesting the reading of information in the form of the tree	Mixed media sculptures using wood, leaves, seeds
Hannah Cohoon	For the Shakers the tree of life represents unspoiled Eden, contrasting current environmental degradation	Tree of Life painting- shaker folk art
Pietr Claesz 1597-1660	Ripe cut- open fruits emphasize the growth, and decay process	Oil painting fruit still life

Tanya Marcuse	Beauty in decay allows the viewer to consider the nutrition contributed to the soil in decomposition	Color C-prints of decaying fruit and flowers on orchard grounds
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