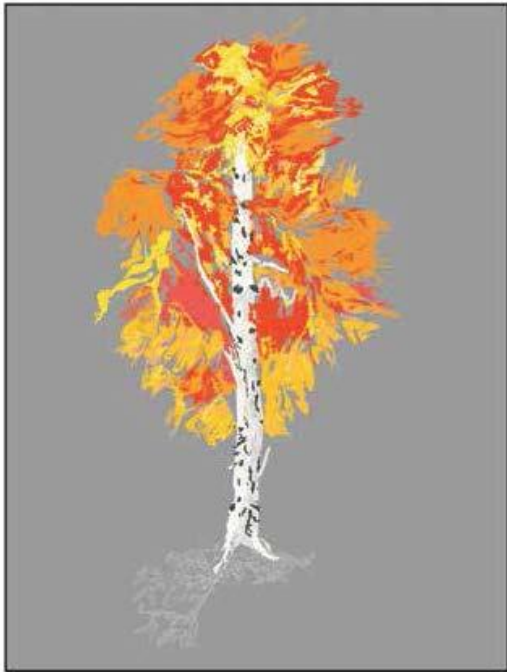


## 2015 Winner: Emma Bode



### POPULUS TREMULOIDES

Winning Entry for the 2015 Science as Art Contest

Emma Bode, Environmental Sciences (LRES), won the College's "Science as Art" contest this fall. Bode classified and edited the Gallatin County soils GIS data in ArcMap to create the image of an Aspen tree.

*The connection between science and art in the geospatial sciences is overwhelmingly apparent to me. Stuart Challenger's GIS courses stress the importance of good design. Taking this experience a step farther, I created a purely aesthetic interpretation of spatial data. I created this piece using soils data for the Gallatin Valley. Soils data is an ideal data set for artistic manipulation because it is made of many small polygons that are each unique, much like a child's Color By Number worksheet. In order to differentiate classes of polygons, I selected and exported them as a new shapefile. I created several shapefiles for the leaves, three shapefiles for the trunk, and one for the roots. I then manipulated the colors of each shapefile to produce the desired image.*

— Emma Bode

## 2016 Winner: Emma Bode

