

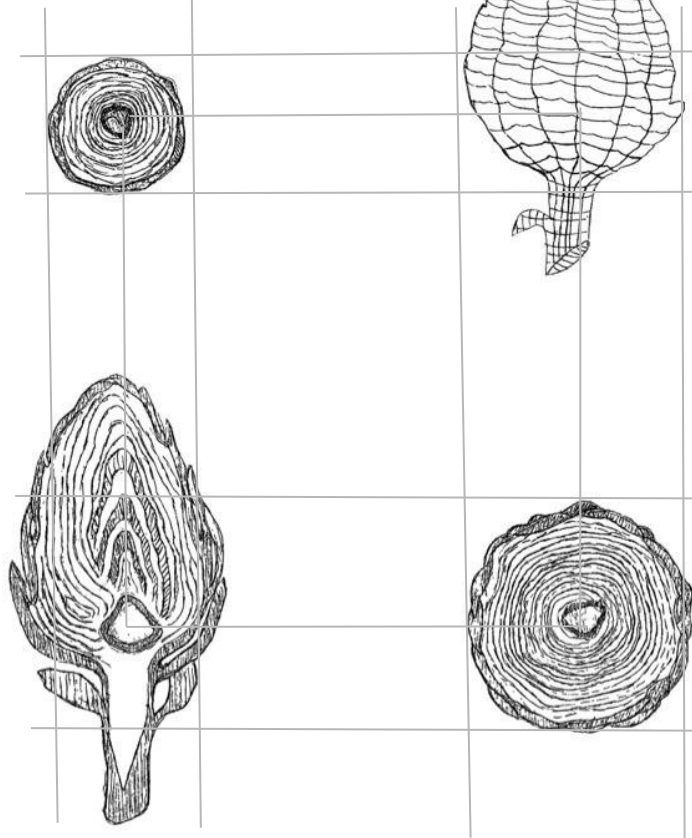
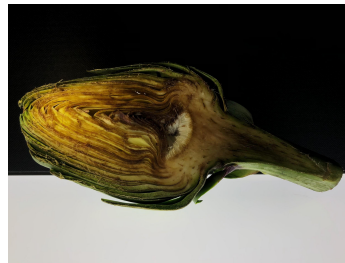
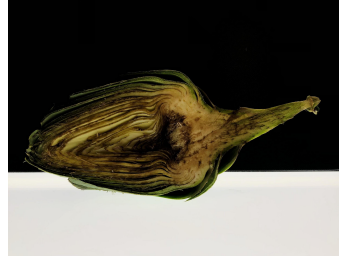
Artichoke Exploration

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Space and Materiality



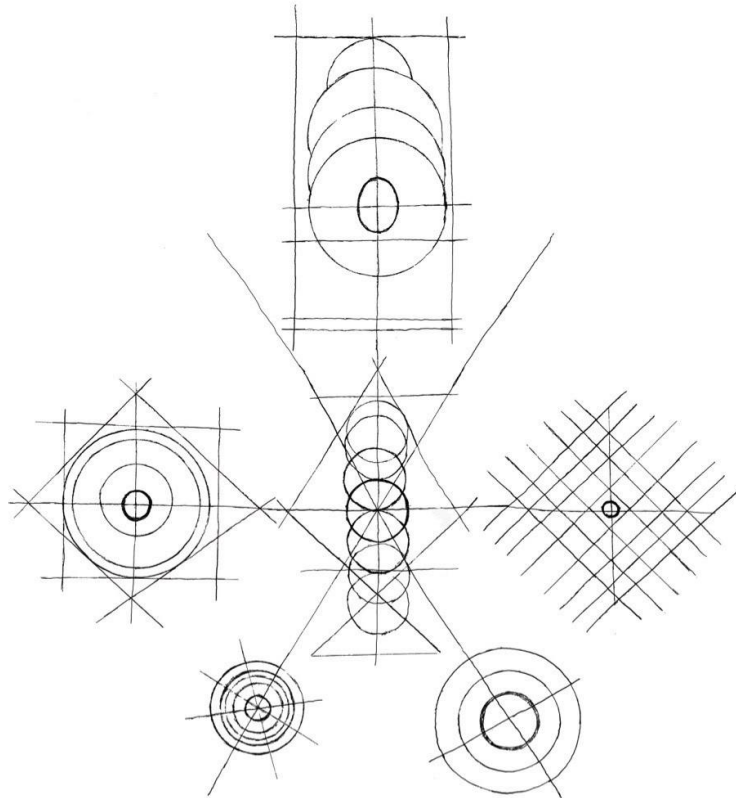
Vegetable Study And Photography Exploration

In this project, I was assigned an artichoke as the vegetable which I would investigate and document throughout the assignment. In the first section of the project, I dissected the artichoke with multiple longitudinal and transverse cuts and documented the resulting geometries. In addition, I created a three-dimensional rendering of the artichoke using the crossed contour lines to create a "mesh" over the vegetable. This focus on crossed lines helped to emphasize both the contour and profile of the artichoke. I also documented the vegetable study through photography, using stark contrast of light and shadows to highlight the visible overlapping structure within the artichoke.



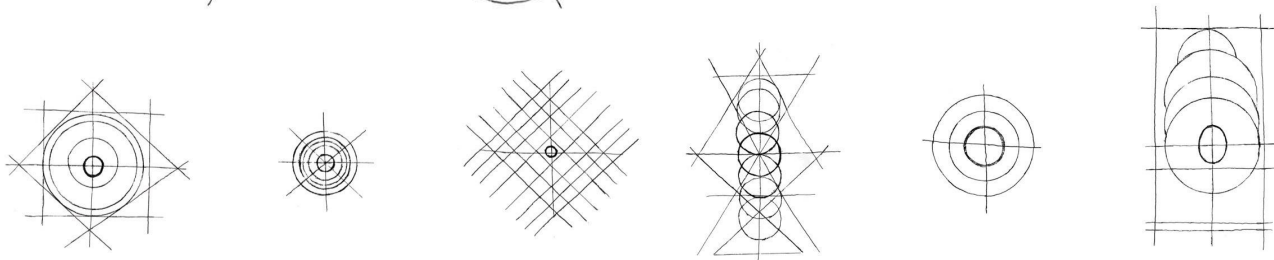
Artichoke System Diagram

While drawing the longitudinal and transverse cuts of the artichoke, I developed an understanding of the formal typology of the vegetable. I discovered continuously overlapping petals that became increasingly separated as they neared the outer layer, resulting in a gradient of density. Moving forward, I focused on examining the artichoke through diagrammatic methods. This resulted in simplified and abstracted geometries which revealed underlying systems. I discovered a new system of intersections and found a repetitive nature of the vegetable structure.



Artichoke Composite Diagram

By elongating the main axis to extend past the original parameters of the diagrams, I connected each line to a central point, creating a whole new diagram featuring a new perspective on the system.



Artichoke Color Analysis

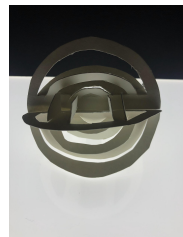
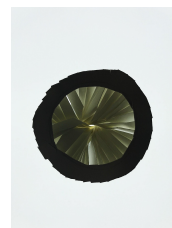
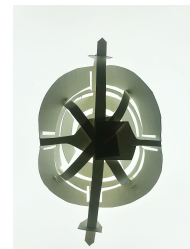
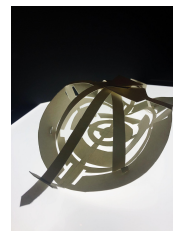
Using prominent colors within the artichoke, I created a color analysis of the vegetable. Painted with watercolor, each rounded form corresponds to a color in a section of the artichoke, from both the interior and exterior. The formation of the colors was intended to mimic the order that would naturally occur in the artichoke when viewing a transverse section was from above. The most prominent feature, a dark center, represents the artichokes own dark center. From there the eye follows the lines outwards radially, passing over a of gradient of yellows and oranges of the inner layers. Eventually that gradient changes to green that shifts light to dark, mimicking the colors of the exterior of the vegetable.



Artichoke Vessel Construct Studies

Using the new information and insight I gained from the drawings and diagrams, on both the structure and underlying system of the artichoke, I began the construction of a vessel that would serve to expose and enhance the artichoke. To create studies of my vessel, I cut, folded, bent, and twisted the paper to create paper manipulations that evoked the qualities and forms of my diagrams while creating a three-dimensional structure with depth.

In many of the resulting studies I noted a spherical wrapping form that occurred. The shape was similar to diagrams in its geometries and intersections of lines, while it also evoked the continuously overlapping forms of an artichoke that wrap around its exterior.

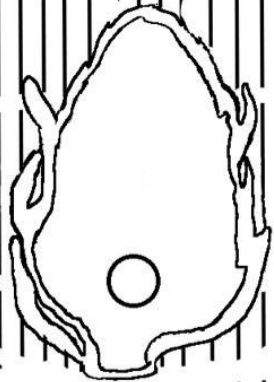


Artichoke Vessel Construct

The artichoke vessel uses methods from the paper studies as well as aspects from the system diagrams to create a structure that both exposes and enhances the vegetables features. The artichoke and vessel work together as the vegetable is structurally integral to the vessel. The artichokes form and petals provide the weight and tension that allow the structure to wrap around the artichoke enclosing it. The vertical members highlight depth and space while enclosing the entire structure, yet also emphasise the exterior upwards motion of the petals. The tendrils enclose the interior structural forms similar to how the exterior of the vegetable encloses the overlapping petals.



Figure Ground Section Drawings



The relationship between the vessel and the artichoke is emphasized in this representational investigation. The formal qualities are brought into sharper relief due to the contrast between the striped background and the resulting void in the form of the vessel.

