Think inside the BOX

Essential Question:

How can I apply the design process to a community project?

Brief Description:

Through constructive use of the design process, students will design, build, and *install* a community food pantry of their own creation. Using plywood and 1"x2", students will make the structure, to be beautiful and well crafted while serving a purpose. The final product will be made of a exterior grade plywood and 4"x4" using tools available at High Tech Middle North County. These models will then be on display at HTMNC and the full size structures will be installed in the community during the fall semester.
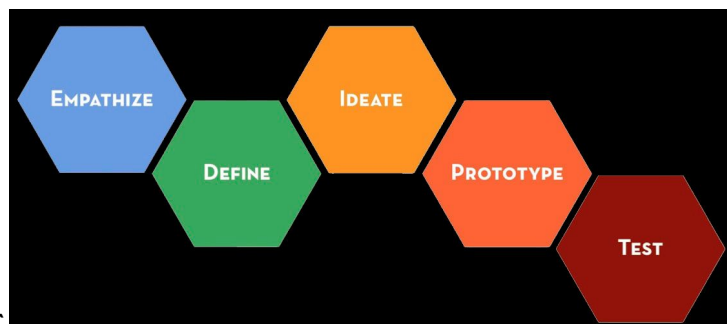
Products:

- Sketches and sketch models
- Mock-up in similar materials
- Final prototype capable of being mass produced
- Plans for design for Instructables website
- Four Food Pantries to be installed along the 78 Corridor in the community.

Essential Skills:

Design Process: Students will work though the design process to make this product. From empathize to test to putting the final plans up online, students will learn through making.

Tools: Students will use woodworking tools to create their models, and the full size structures.

Collaboration: Students will create these objects in groups of 4

Exhibition: TBD

General Timeline: Subject to change

October 10-14 (no school 10/14)	● Students will complete sketches and sketch-models for their design ● Students will take sketches and begin working drawings ● Students will critique first iteration of drawing ● Student Led Conferences
October 17-21	● Revision of drawings ● 2nd round of critique ● Students will build for a scale model
October 24-28	● Revision of drawings ● Students create second scale model
October 31- November 4 (No School 10/31)	● Revision of drawings ● Begin cutting out mock-ups
November 7-11 (No School 11/11)	● Students create first samples using real materials ● Finish cutting out mock-ups ● Begin marketing research
November 14-18	● Finish prototypes ● Students will post final marketing images to Instructables ● Begin exhibition setup
	● Finish installing exhibition ● **EXHIBITION: TBD**

Resources:
D School of Design- Empathize, Define, Ideate, Prototype, and Test
        Their resources about each step. The Guide.
Instructables Website: www.instructables.com
Little Free Pantry: http://www.littlefreepantry.org/