Better Plant Project Scenario

Essential Question: How can we use artificial selection to create a robust plant that supports a desired food production outcome?

You are part of a team of botanists and chefs from a local Farm-to-Table farm and restaurant. You are looking to enhance the quality of food at your facility and craft a culinary experience to delight your diners. You and your team must develop a process to grow certain plants through several generations. You will use artificial pollination for artificial selection of the desired characteristics. You will also need to research and determine a recipe that incorporates your plant. In other words, you will eventually grow plants with the desired traits and the seeds from those plants will be used in a recipe to be served in your restaurant.

Your team will present your solution to a panel of potential customers and chefs who will provide feedback to better improve your process or recipe technique. You will also write up your process, growth charts, observations and final results in a summary report for the head chef to review and give final approval.

Deliverables:

- Recipe
- Sample dish using plants
- Plant samples
- Plant growth charts and observations
- Restaurant advertisement and menu
- Written summary of process and results
- Professional notebook