

REFRIGERATOR SPECIFICATIONS

Weight	58 lbs.
Height	27 in
Width	19 in



Figure 1: Final Refrigerator Assembly

Project Status

The team designed three iterations for both the lesson plans and the refrigerator for this project. Each iteration improving upon recommendations given by the sponsor.

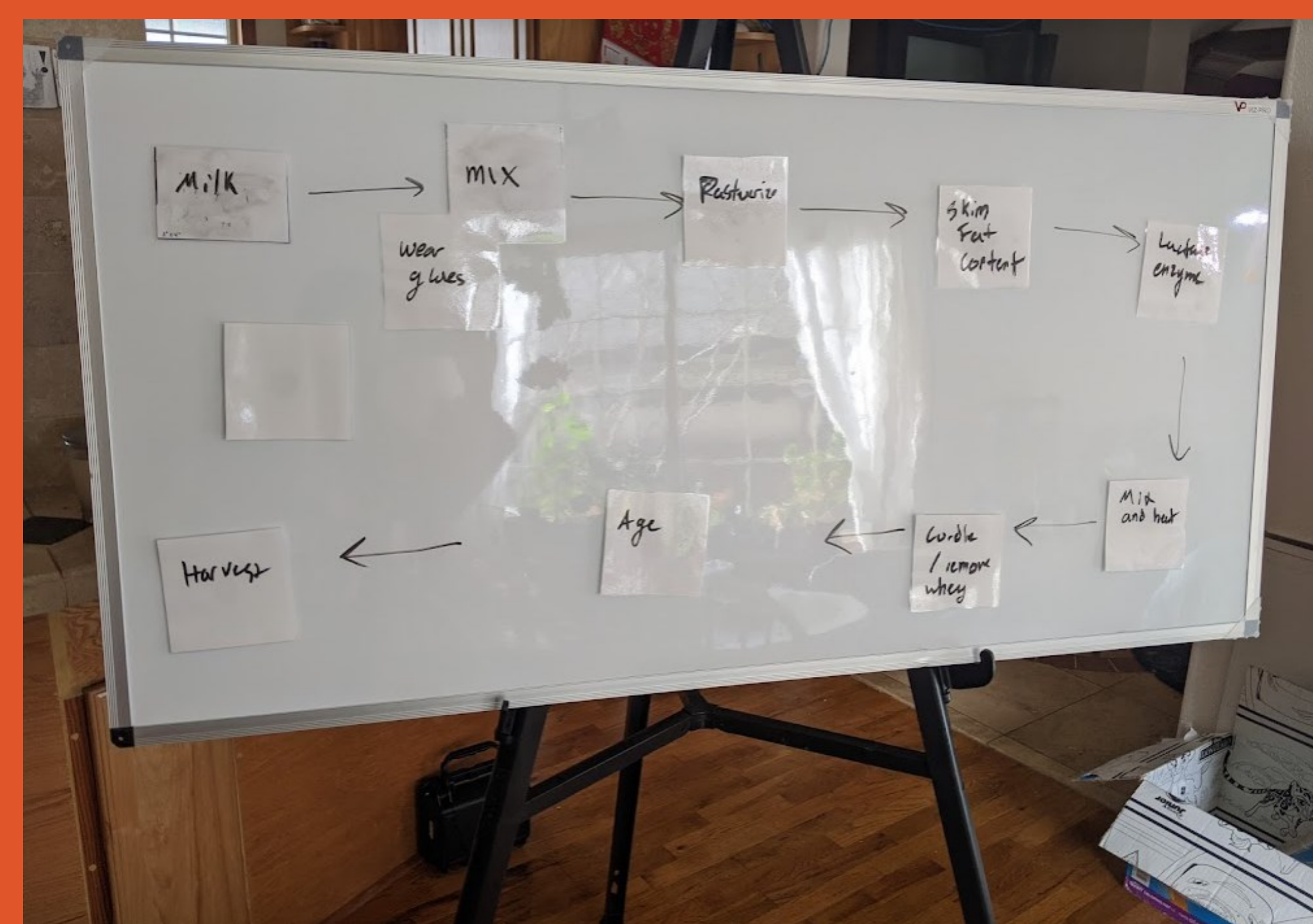


Figure 2: Whiteboard for lesson plans and process diagrams to be displayed to students

SMILE - FOOD SAFETY

Team Overview

The 2021 – 2022 SMILE Team is comprised of 3 Industrial and 1 Mechanical Engineering students. This year the SMILE team will be focusing on creating an interactive display board that will aid students in learning about the danger of foodborne illnesses. The display board will be used in tandem with completed Lesson plans and an interactive game all provided by the team.

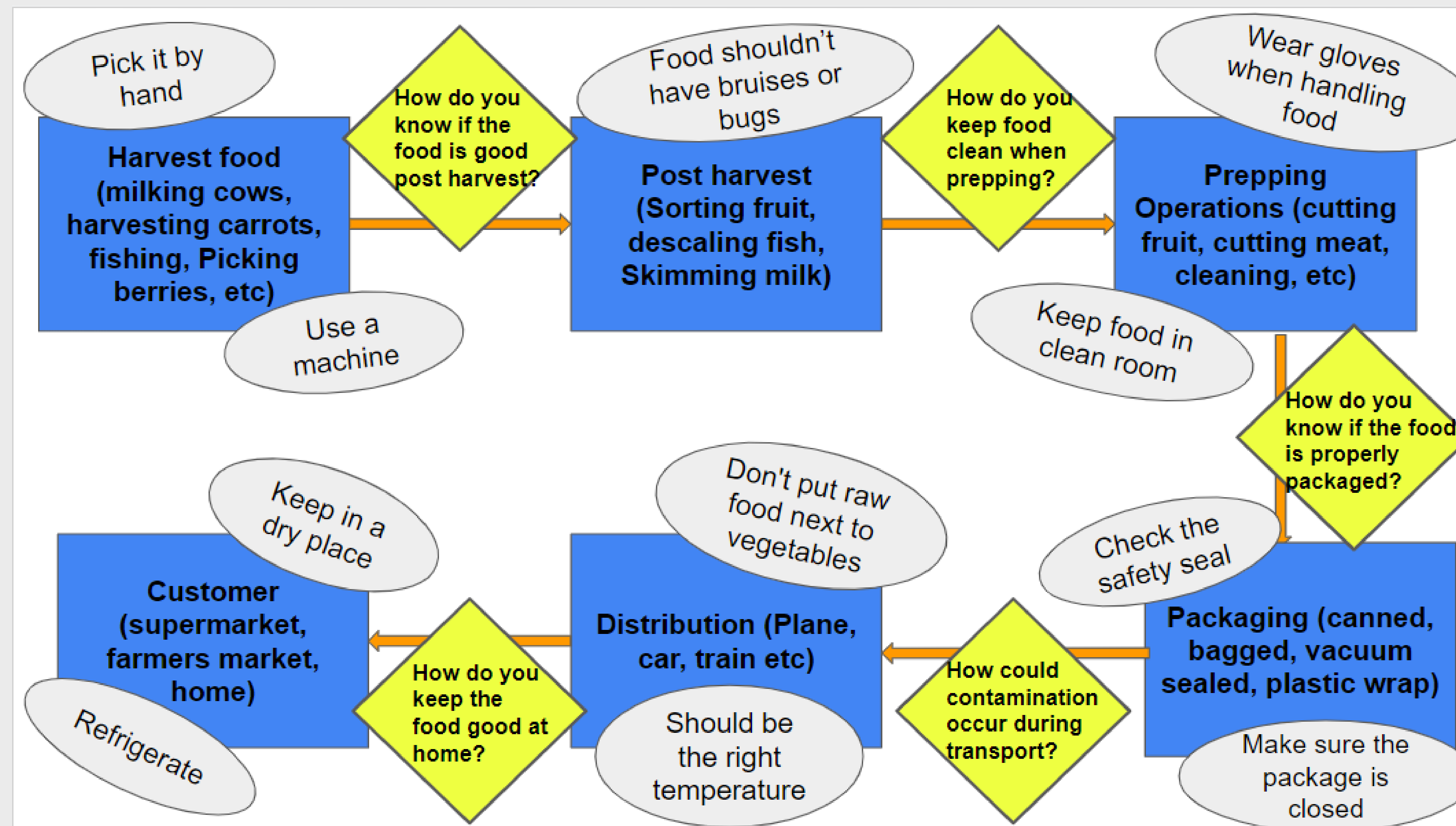


Figure 3: Completed lesson example objective

CUSTOMER REQUIREMENTS:

The most important customer requirements that the team adhered to was as follows:

- Requirement 1:** The project must be interactive for students to be able to use
- Requirement 2:** Multiple students or clients must be able to use the products
- Requirement 3:** Safety must be accounted for to avoid injury when using the product
- Requirement 4:** Information given must be from reliable sources so that students are able to learn
- Requirement 5:** The project must be mobile so that client is able to move it between events



Figure 4: Sanding product to remove safety concerns

PROJECT SPONSORS



United States Department of Agriculture
National Institute of Food and Agriculture



Project Mentor
Jay Well
Course Instructor
Dr. Sarah Oman
Technical Advisor
Dr. John Parmigiani



Figure 5: Team 203 SMILE – Food Safety group