

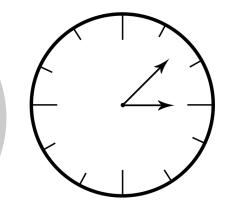
Eastside Baby Corner:

Streamlining the Process for Inventory Reception, Storage, and Distribution



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Index of Performance



5.7 hours per week saved

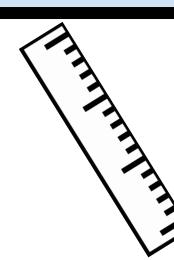
CHSW North King EHS

FOY Francis Village

Attain Housing SITE

Vision House Shoreline

(indering Bothell Early Intervention



253 ft² & 964 ft³ of cleared or repurposed space



\$3840 per year in opportunity costs



24 trips to external storage per week eliminated



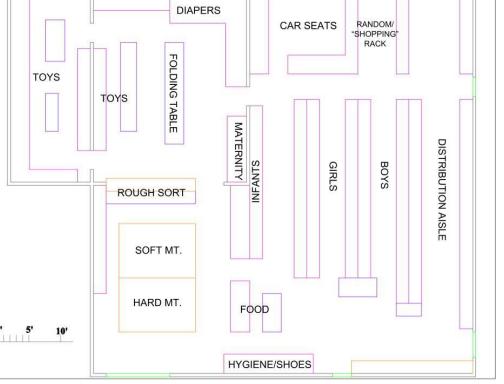
5 ergonomic improvements

Background

- Eastside Baby Corner (EBC) is a nonprofit organization that distributes essential items such as clothes, toys and school supplies to low-income families with children.
- Most of their items are donated, while high-demand items such as car seats and diapers are purchased by EBC.



Bird's eye view of the Issaquah hub



Motivation for Project

EBC's primary inventory warehouse has various

inefficiencies in their storage and handling of

items. Our team was expected to identify these

inefficiencies and come up with innovative

solutions to resolve them.

Goal Statement

Increase EBC's productivity through

improvements in their material handling system.

Main warehouse floor plan

Process Improvement Implementations

CHSW North King E

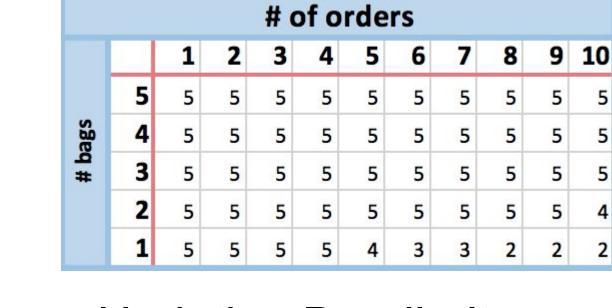
Kindering Bothell Ea

FOY Francis Village

		Number of Order Groups per Size			
Diaper Process Consolidation	Size	1	2	3	4
	1	9	5	2	0
	2	5	7	4	1
	3	6	10	8	0
	4	etc			

Automated Bin Assignment

		6	
on Output	Bin Assignment		
HS .	28-30		
	25-27		
vondale	24		
sness Site	23		
Hollywood	22		
arly Intervention	21		
h Center	31		
	22		



69-81

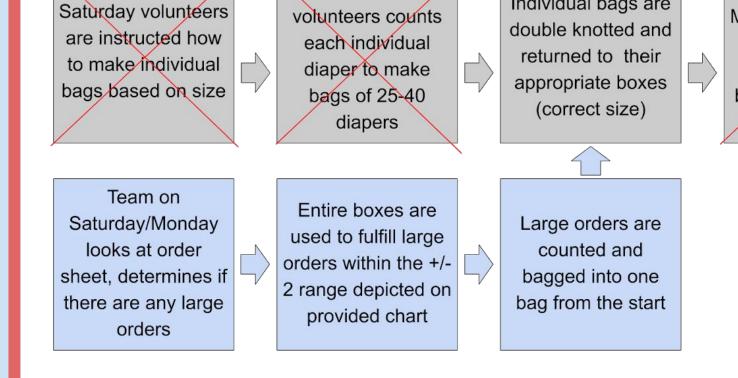
92-108

Number of Orders

Updating Bundle Items

Process Improvement Impact & Results

Diaper Process Consolidation



Saves 15-20 minutes per week

Eliminates 2 out 10 steps in bin

Allows inventory data to be

∼50,000 in² of aisle space per

week utilized

- Eliminates a diaper shift
- Decreases process by
- Automated Bin Assignment:
 Updating Bundle Items:
 - Eliminates guessing
 - o inventory throughput

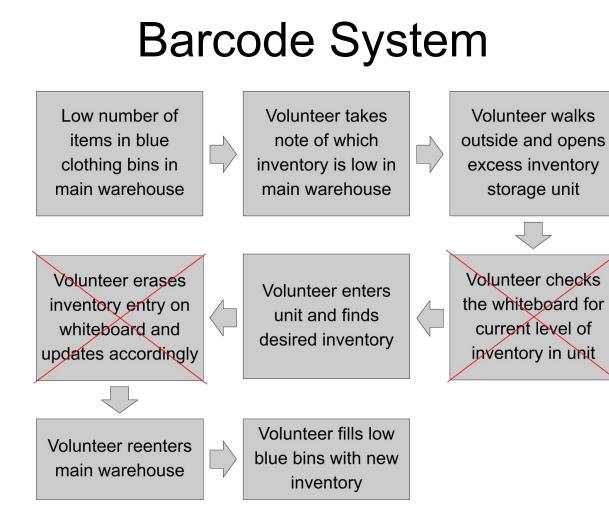
Inventory Output



Monthly Product Aggregation

Excess Movement

5S Tool Wall



Andon Signals

- Problem: Cannot see fullness level of bins
- Solution: A notecard to indicate level

Andon Signals:

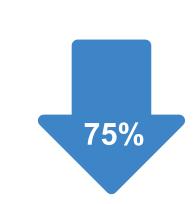
5S Tool Wall

Barcode:

 Number of trips to external storage

filling process

accessed remotely



Mistake proofing

100%

Number of

trips to

external

storage

Space Utilization

Play Gym / Play Mat
Puzzles / Games
Riding / Push Toy
Sports Gear
Teching Rings/Toys
Toy - Specific Item
Toy Bin
Toys - Bag of Age Appr

Flyer

Thank you so much for donating to Eastside Baby Corner! Your donation is greatly appreciated, but first please review the following list of items which are not being accepted at this location:

Cair seats
Large toys
Furniture
Drop-side cribs

Cribs manufactured more than 8 years ago
Large outdoor basketball hoops
Art desks
Tool benches
Large easels
Stuffed animals longer than 12 inches

Eastside Baby Corner Donation

Drop-off

Walkers with wheels
Electric breast pumps
Used nipples and pacifiers
Outdoor toys
Adult clothing or children's clothing larger than size 14
Ski boots, skis, snow boards
Tools
Household appliances
Glass or ceramic items
Train table
Clothing affiliated with religious organizations, high school sports teams, or any club/organization that costs money to be involved with

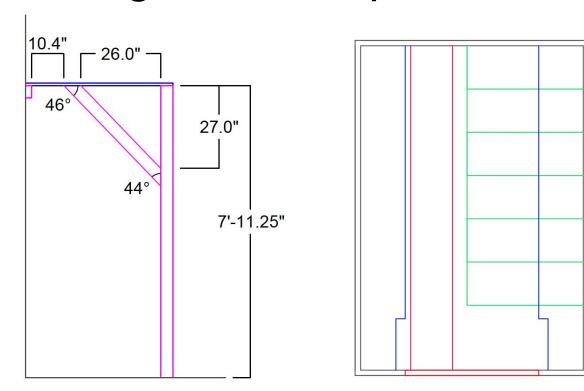
Unit 143 Reorganization



Toy Organization

- 3 Raised tables with shelving were implemented
- Out-of-season and new toys were boxed and relocated to external storage units
- 30 14-gallon bins now organize school supply storage

Utilizing Vertical Space



Legend:
Magenta - Walking lane
Red - Unit door
Green - Diaper stacks
Blue - Lofts
Black - Exterior walls

Space Utilization Impact & Results

Excess Improvement Impact & Results

16 ft² of wall space repurposed, 9 ft³ and 14 ft² of space saved

- Flyer:
- Saves \$40-60 per week based on projected decrease in waste
- Unit 143 Organization
- Reduces searching time by
- Toy Organization:
 - 78.33 ft³ of organized shelf storage space by purchasing new hins
 - 60 ft² cleared for volunteer walking lane in the infant aisle
- 63 ft² of table top surface and 174.56 ft³ of under table bin
- storageLoft:
 - o 696.25 ft³ of accessible vertical storage space added

