

Background

Betsy Elkinton of Zane Middle School is in need of 32 cubbies for her students. She requires a cubby system for her student's backpacks because they clutter the room leaving danger of tripping hazard to the students and herself.

Criteria

Criteria	Constraints	Weighted
Safety	Prevent any damage to the students and the teacher.	10
Portability	Must be easy to move for any case	10
Durability	Must hold backpacks without breaking	9
Cost	\$100-\$300	8
Longevity	Try to last >20 years	7

Objective: To make 32 portable and durable cubbies for the student to use.



Velcro to stick with other cubbies No side walls 32 Total

Description: The Skeleton dimensions are 16"x20"x14". The Skeleton is made of particle board that has 2 faces of laminated on top. No walls on either sides. Hold backpacks inside while the legs supports it.

Costs

Receipt Source	Receipt Total (\$)	Receipt Notes
Amazon	8.62	Velcro
The Mill Yard	7.58	Screws
Almquist Lumber Company	86.80	Particle board-Black Laminate
The Mill Yard	4.87	Wood Glue
The Mill Yard	7.74	Screws
The Mill Yard	18.65	Screws
The Mill Yard	16.09	Screws
The Mill Yard	3.80	Screws

Total	154.15
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Results

At the end the Tonalities ended with 32 portable, durable, and safe cubbies for the students and the teacher to use.

