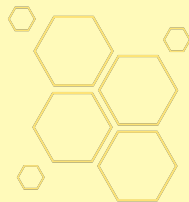


# Honeycomb

*making study spaces work for you*

Joanna Ko  
Alyssa Liu  
Cyndi Teh  
Wandi Wang





Study spaces on campus work,  
but there is an opportunity to  
make them better.



*“too quiet”*

*“too noisy”*

24 unique reasons that people are  
unhappy with current study spaces

*“too empty”*

*“too crowded”*





Static, single-use furniture **can't satisfy all**  
**these different preferences.**





# Modular and Multifunctional Furniture





New engagement centers + new customized study  
furniture

Renovation of Mudd Library

**Now is the perfect time!**





What students are studying is hard  
enough - **why struggle with the  
where and how?**



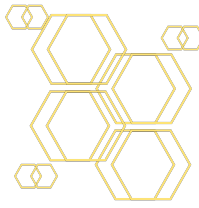


Effective study spaces → productivity



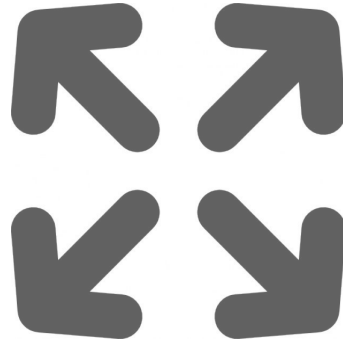


# Top 3 most important factors when choosing a study space



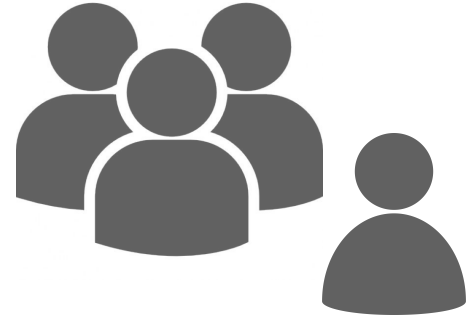
Noise level

77.4%



Workspace size

67.9%



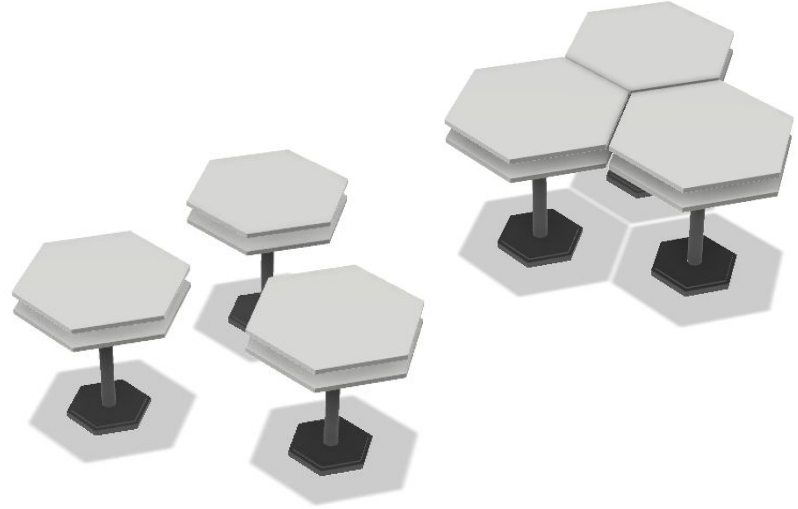
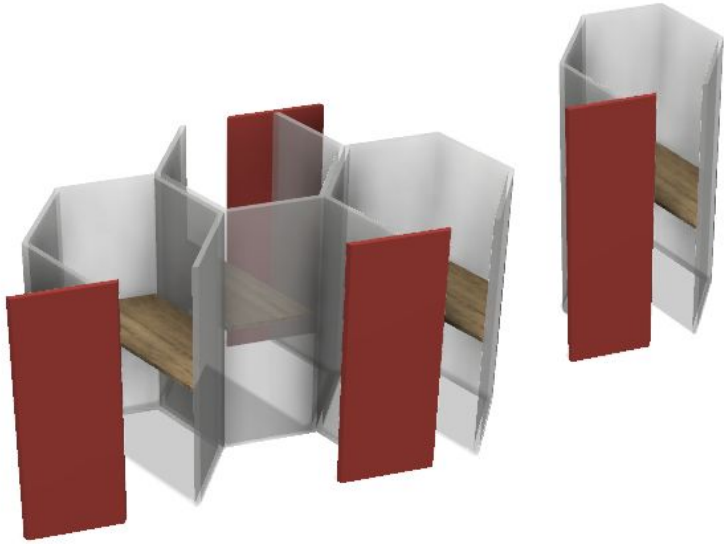
Ability to work  
alone or  
collaboratively

38.4%



*From a survey of 190 NU students*

# Conceptual Designs



**Honeycomb Pod**

**Honeycomb Table**



# Honeycomb Pod



**Private** Study Space



# Honeycomb Pod – Sliding Door



Control levels of **privacy**  
and **noise**

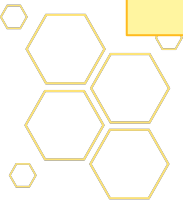
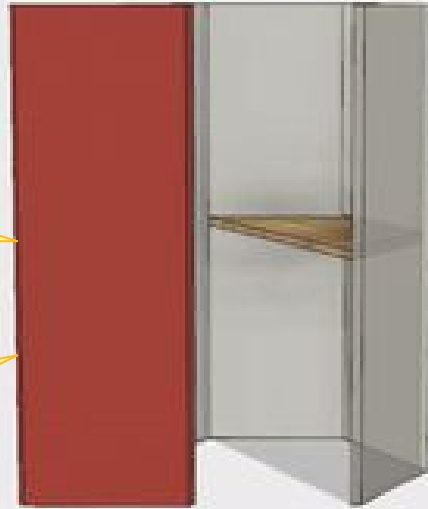


# Honeycomb Pod - Translucent Wall



Reduce **claustrophobia**

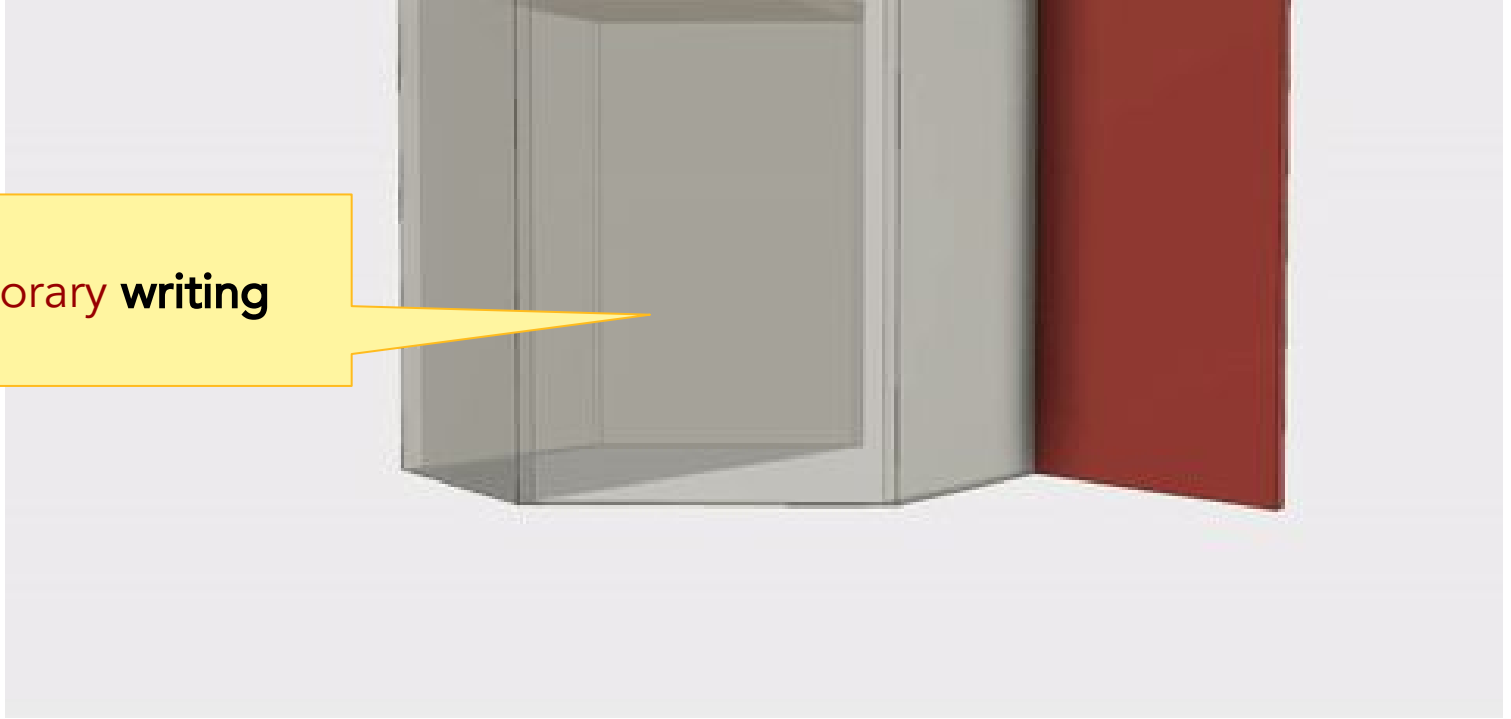
Check **vacancy**



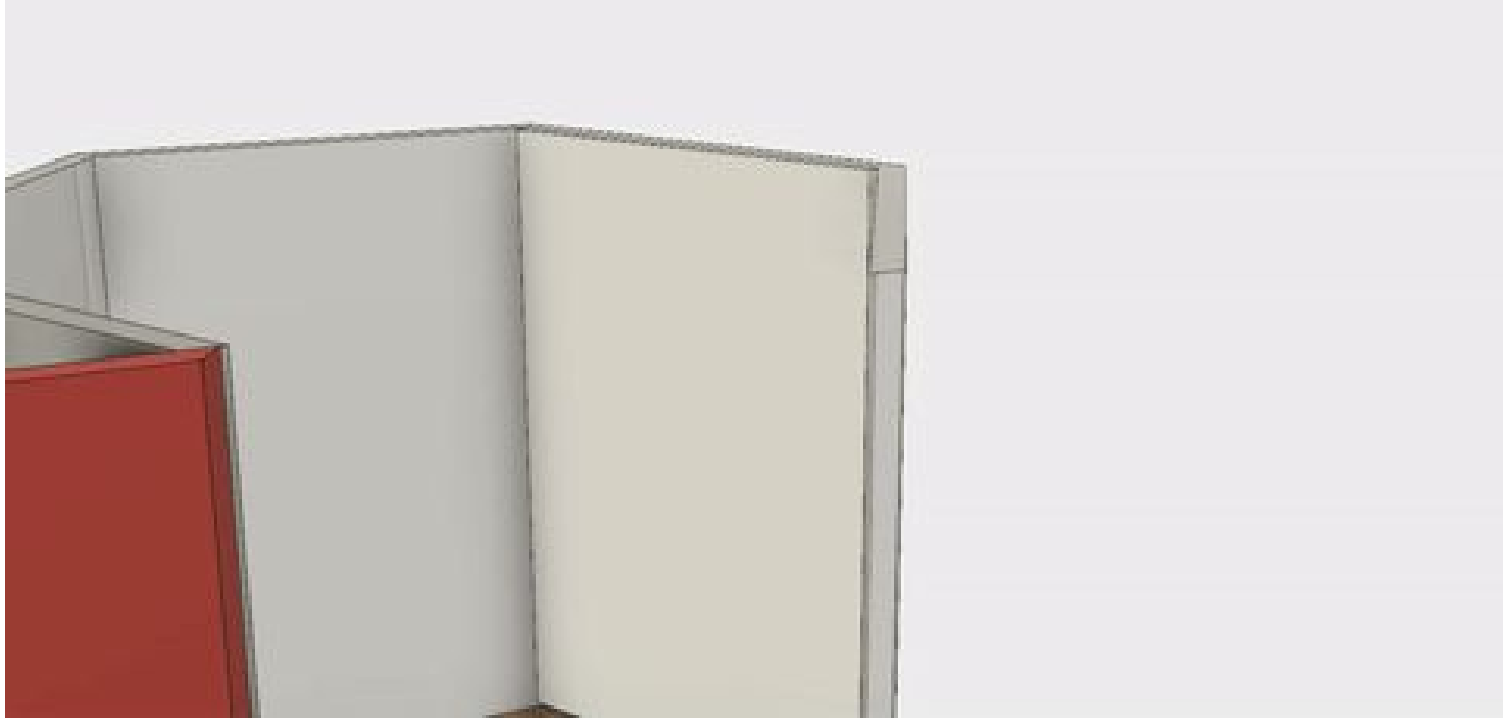
# Honeycomb Pod - Dry Erase Board



Temporary writing



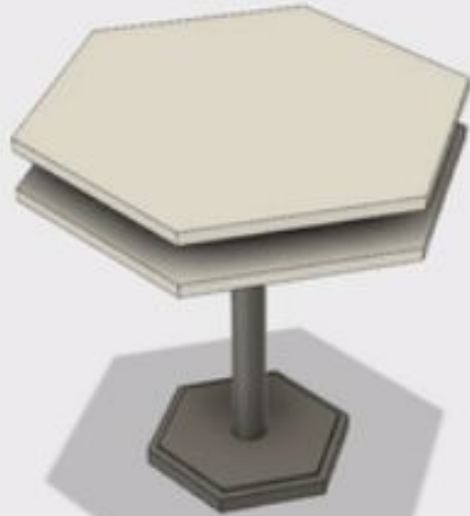
# Honeycomb Pod - Cluster



# Honeycomb Table



**Individual and  
Collaborative  
Study Space**

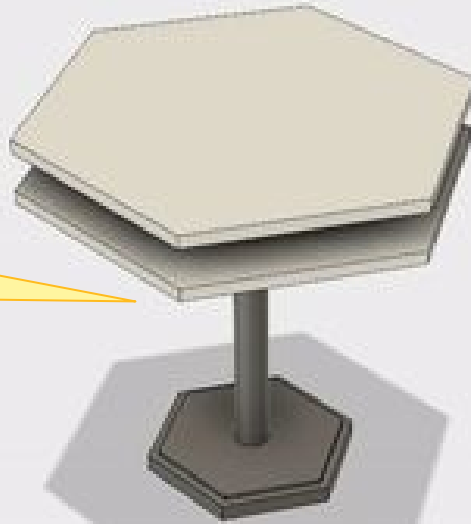




# Honeycomb Table – Mobile



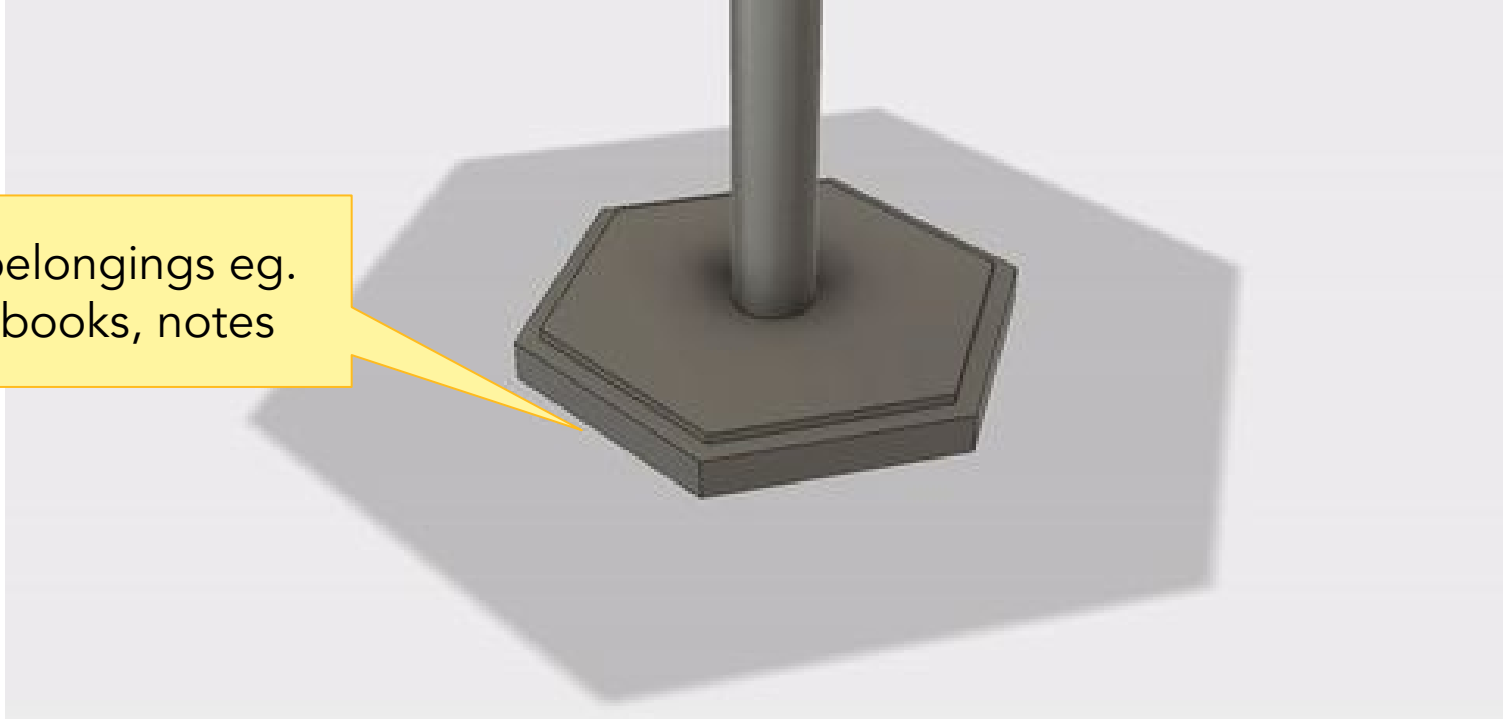
**Step** to lock caster wheels



# Honeycomb Table – Storage Space



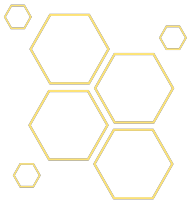
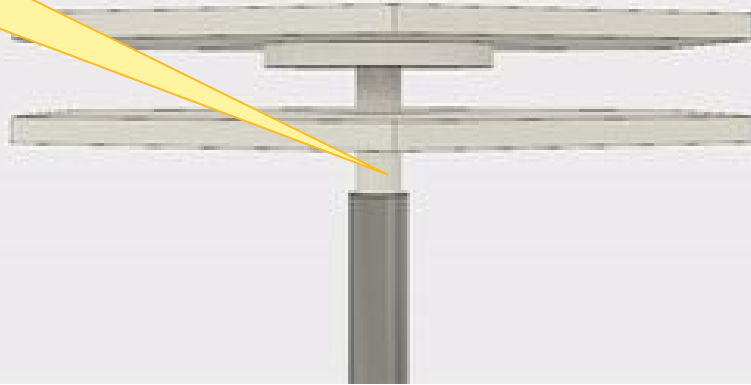
**Store** belongings eg.  
bags, books, notes



# Honeycomb Table – Adjustable Height



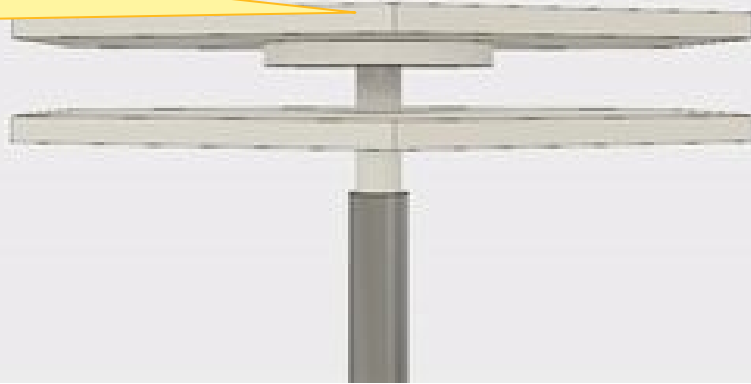
Standing desk



# Honeycomb Table – Dry Erase Surface



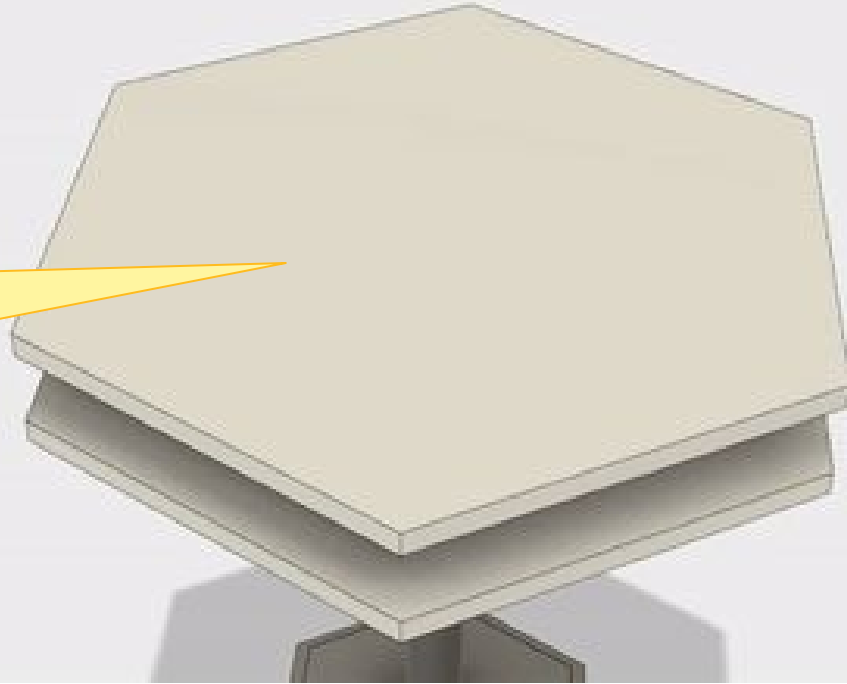
Temporary **writings** &  
facilitates **discussions**



# Honeycomb Table – Modular Design



**Combine** for group  
work





# Honeycomb is a good solution

“Most tables in Norbucks **can be replaced with honeycomb tables**. They’re also good for the collaborative zones in the library.”

- Junior majoring in Film and Computer Science





# Honeycomb is a good solution

"The honeycomb tables are good for collaborative spaces because they're **multifunctional**...It's a compelling idea because it feels less classroom-y."

- Brad Zakarin, Director of  
Residential Academic Initiatives





# Honeycomb is a good solution

“The **study pods fit a need** that is not fulfilled at all at the library.”

- Geoffrey Swindells, University Library User Experience lead on several redesign projects



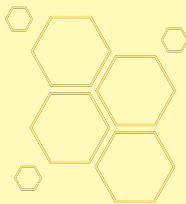




# Future Steps

- Design layouts in existing study spaces
  - How much furniture per space?
- Engineering design for details
  - Material selection
  - Weight and dimensions
  - Mechanisms e.g. caster wheels, sliding door
  - Cost
- Exploring a pop-up study pod concept





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