

Our Tower Reflection:

- Before creating the tower, the four of us started discussing our ideas of what we thought would be the strongest tower
- Maya, in the planning process, brought up the idea of doing an arch so that the wind goes straight through the building
- It took the group some time to fully understand her idea, but once we did, everyone was on board
- Meagan and Ron then realized that the tower had to be at least 12 inches, so they started creating pillars for the arch to stand on
- At this point, Ahnika started working on the viewing platform because she had an idea to add guardrails so that the Lego people would not blow off the top
- Ron then realized that the arch might flatten out once the wind hit it, so he came up with the idea to have a piece of tape that would connect the two sides of the arch so that the tension would keep the arch upright
- At the very end, knowing that we had to use scissors and tape, Meagan came up with the idea to hide the two objects inside the pillars to add extra weight and further secure the arch
- Overall, everyone came in with great ideas, and each idea contributed to the arch being able to stand as long as it did and even hold three Lego people



Other Tower's Design:

- One tower that stood out to us was the tower that had a parking lot for their external supplies (ie. scissors and tape)
- One thing we liked about the design was how that additional parking lot added support to the tower while taking up minimum materials. Without this support, the tower could have possibly tipped over

- Unfortunately, the top part of the tower did not make it to the display table which indicates to us that they needed more time or more materials to keep the higher part of the structure as stable as the lower part.
- We had a similar system of storing our supplies by storing the tape and the scissors in our base sections, but we could have have a wider storage area to have more support like this teams

Summary:

- During our project, we learned the importance of aligning with the client's vision and adapting our ideas in practice, which differed from our initial concepts. Teamwork was crucial; it fostered diverse ideas and led to innovative solutions, such as our unique approach to building a card tower. Observing other teams highlighted the need for realistic planning and material assessment.
- Our team's strengths played a key role: Meagan was excellent in idea synthesis, Maya excelled in hands-on tasks, and Ahnika's persistence ensured task completion. This experience taught us the value of flexibility, collaboration, and diverse skills in successful project execution.