	structor:	Mrs. Grisme	er		
	Course:	Math 3			
Driving Question What is the meaningful problem to be solved or question to be answered that frames the project?		Can we unlock the secrets of optimal design by harnessing the power of mathematics to create objects that maximize efficiency in both space and function?			
Authenticity & Sustained Inquiry How does this project involve real-world context, tasks and tools, impact, or personal issues in the students' lives?		In this project, students are designing or redesigning an object to make it more efficient in terms of space and material. Students will also determine the cost of the material needed for their object and will determine how much it would cost.			
Public Products with Student Voice & ChoiceWhat were some products students chose to make, and how did they share their products outside of the classroom?Image: Image of the selection of the selecti		<image/>			
Teacher Reflection Teachers reflect on the PBL process, the quality of student work, and any changes to make for future use.		"I feel like the project went well overall and I think the students enjoyed it. If I were to do the project again, I think I would need to refine the rubric to make the directions and expectations clearer. Overall, I enjoyed the project!"			
Student Reflections Students reflect on the learning, the effectiveness of their inquiry and project activities, and obstacles that arose and strategies for overcoming them.		 "I grew my understanding of mathematics and was able to connect the project to real world scenarios." "I had to use leadership skills to get my group back on task a bit and collaborate effectively to engage everyone." "This was a creative way to learn more about volume and radius, and being able to design a prototype made me interested in the math." "I grew by working with multiple people that I didn't really know and learned some skills for the future when working with others who need support with math concepts." 			
Noted Skills Gained		Adaptability	Teamwork	D	esmos Use
		Presenting	Problem-So	olving	Communication