

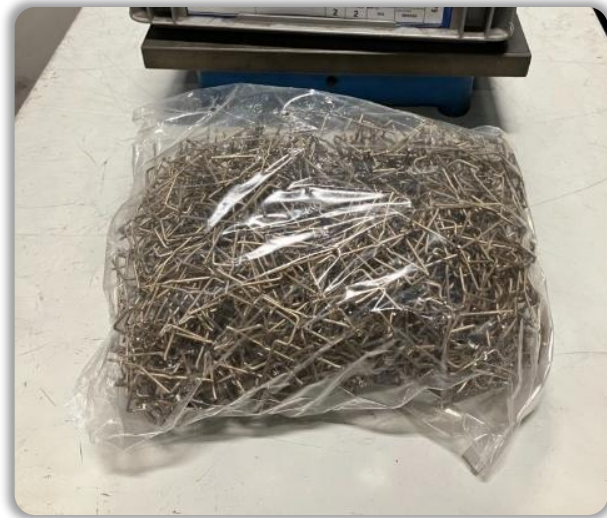
Industrial Cadets Gold

2025 - Droitwich Spa high School



Brief & Project Summary

Owen



Planning / Meetings

Amy

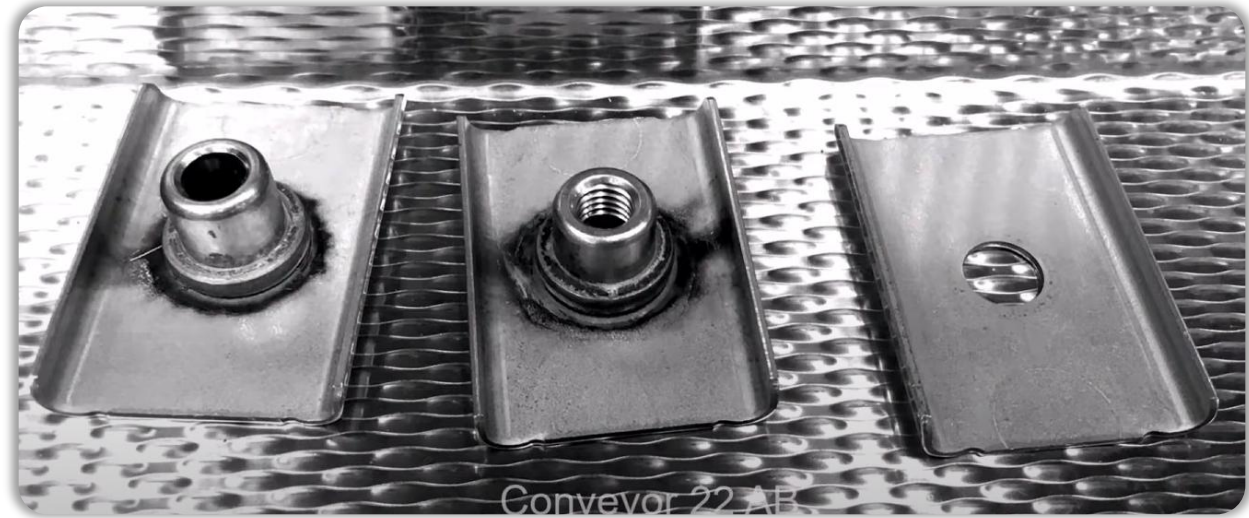
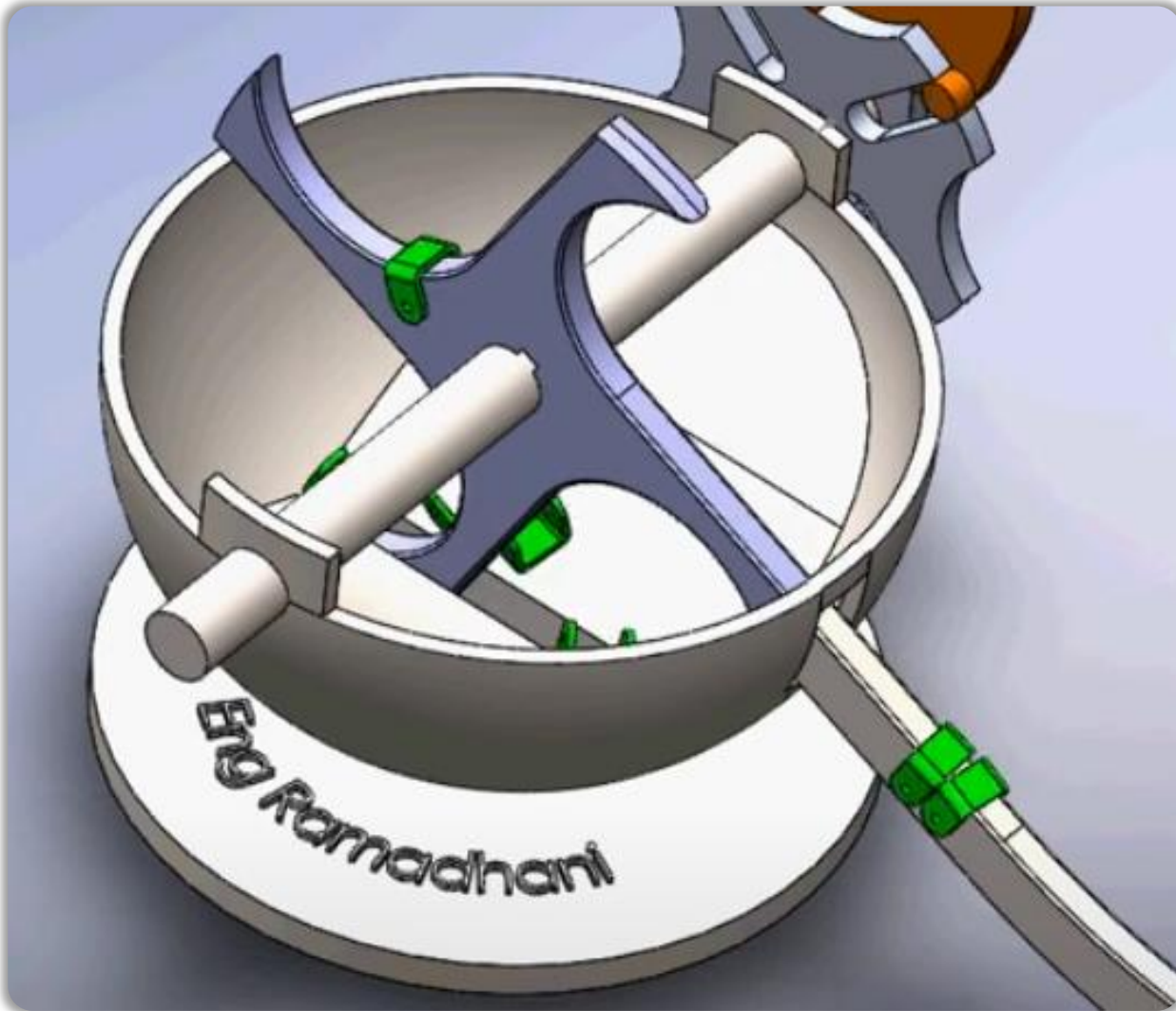
Deliverable	Tasks	Notes	Weekly Session Date																							
			November			December				January					February				March				April			
			14th	21st	28th	5th	12th	19th	26th	2nd	9th	16th	23rd	30th	6th	13th	20th	27th	6th	13th	20th	27th	3rd	10th	17th	24th
Prototype	Research	Research PowerPoint																								
	Generate Initial Ideas	Ideas PowerPoint																								
	Draw Initial Sketch																									
	Draw Annotated Sketches																									
	Developing Ideas																									
	Testing																									
	Cad Models																									
	Cad Drawings																									
	Final Testing																									
Written Report	Final prototype																									
	report first draft																									
	final report to sally																									
	Week Notes		Decision Gantt Applied Sci BOSCH? Work Experience CERN Sally Sally No Will Easter Easter																							

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			14th	21st	28th	5th
Prototype	Research	Research PowerPoint				
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	Final Testing					
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	Week Notes					



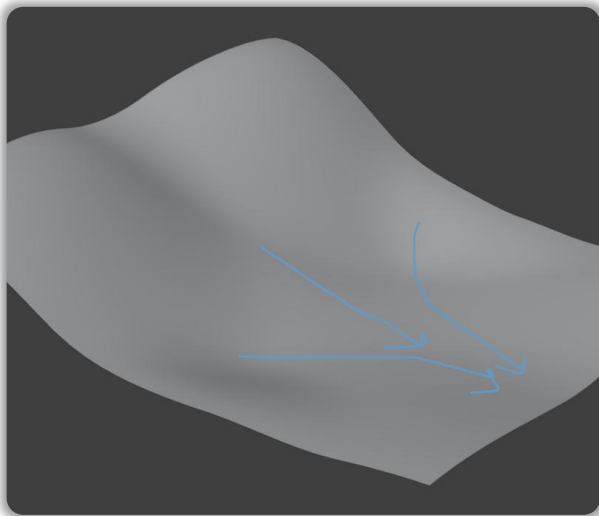
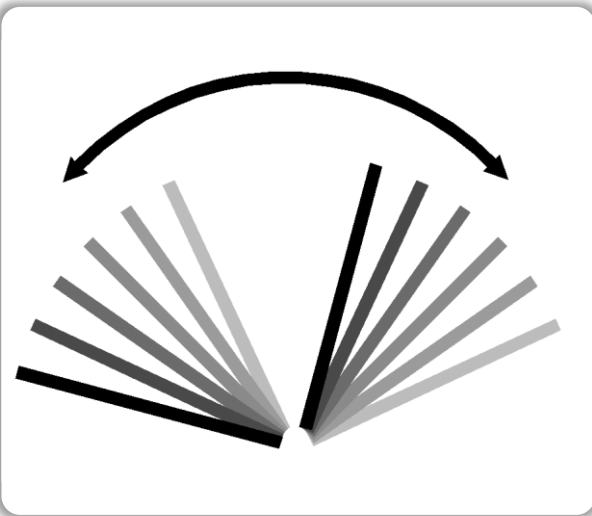
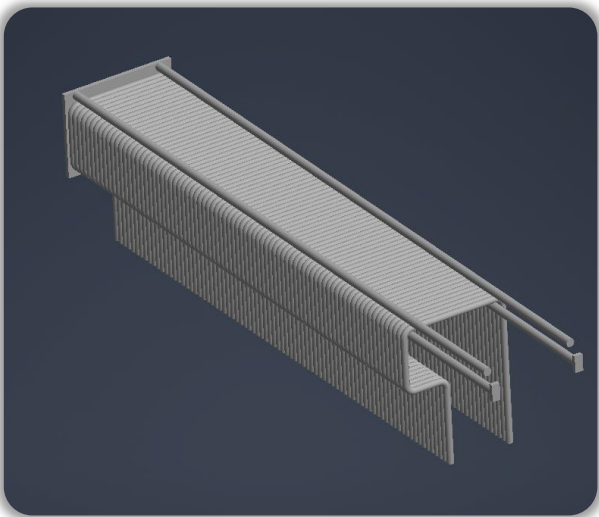
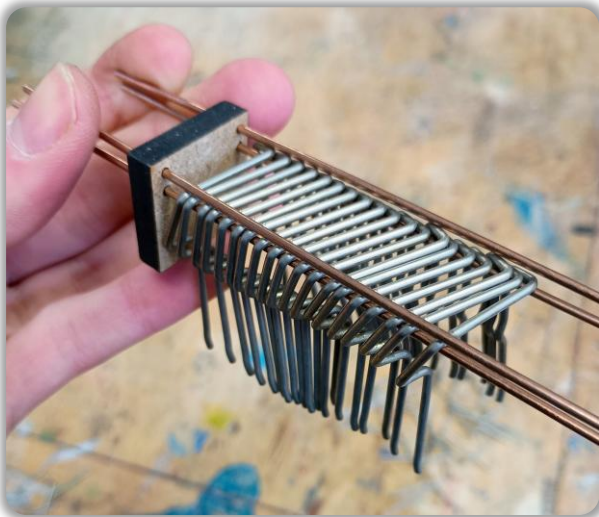
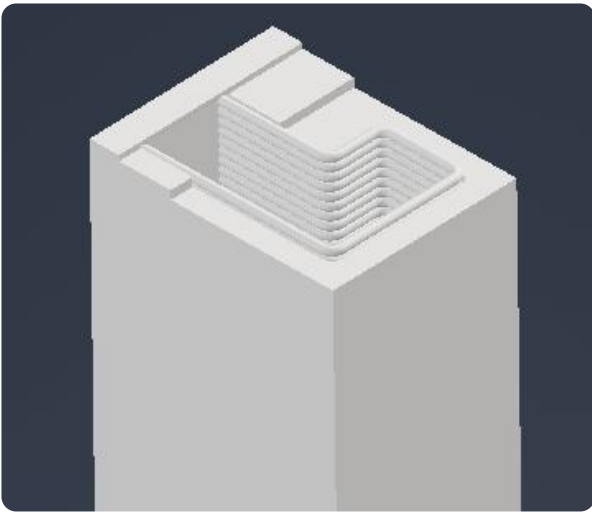
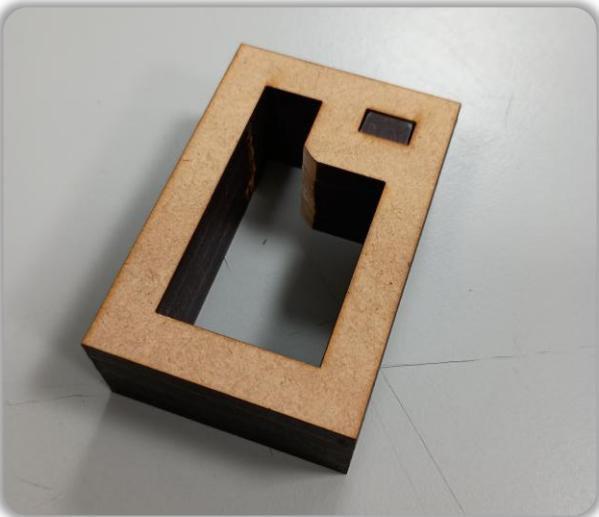
Initial ResearchWW

Will



Initial Testing / Ideas

Will



BOSCH

Industrial Cadets Gold 2025, Droitwich Spa High School and Sixth form centre.



Visit to BOSCH

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BOSCH

Industrial Cadets Gold 2025, Droitwich Spa High School and Sixth form centre.



Decision Matrix

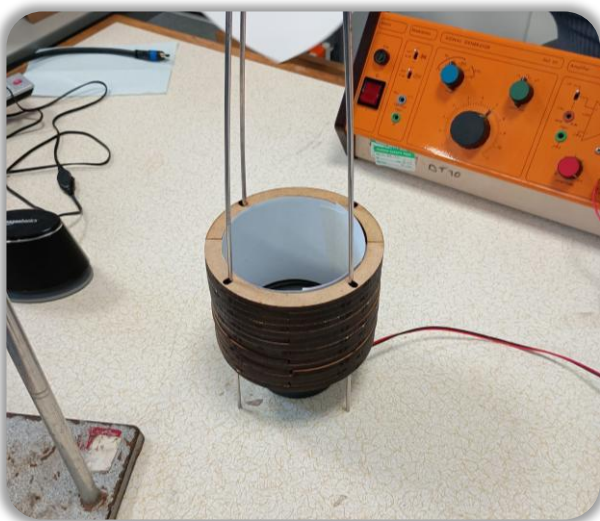
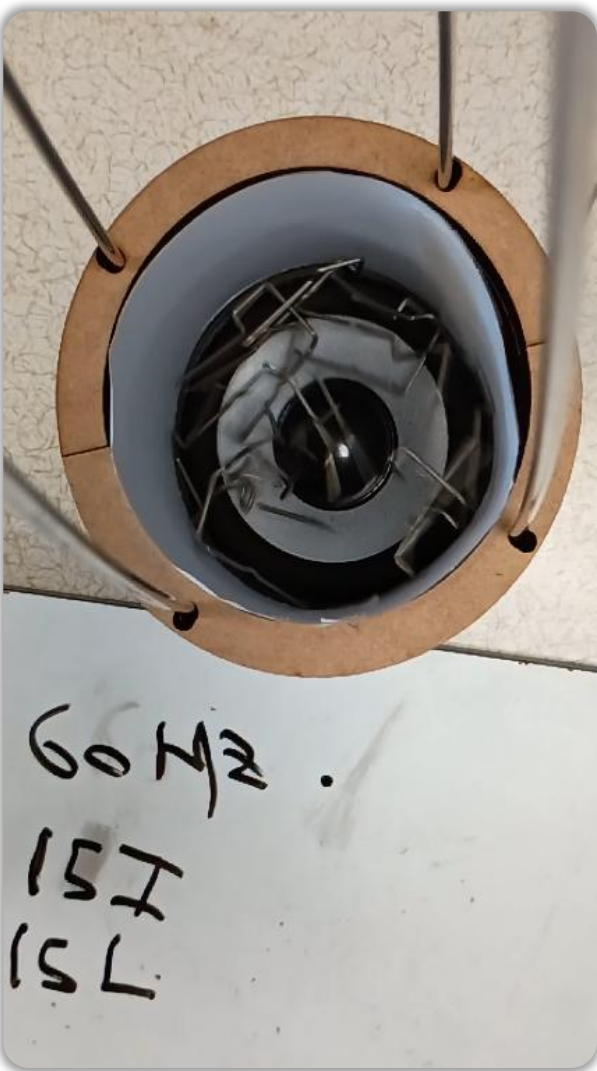
Amy

Idea	Effectiveness	Cost	Size	Speed	Maintenance	Total
Angled Panels	1	5	5	3	4	19
Oscillatory Vibration	4	1	3	5	1	18
Plate Vibration	3	2	3	1	3	15
Popcorn Effect	5	3	4	4	3	24
Sieve	2	4	1	2	5	16

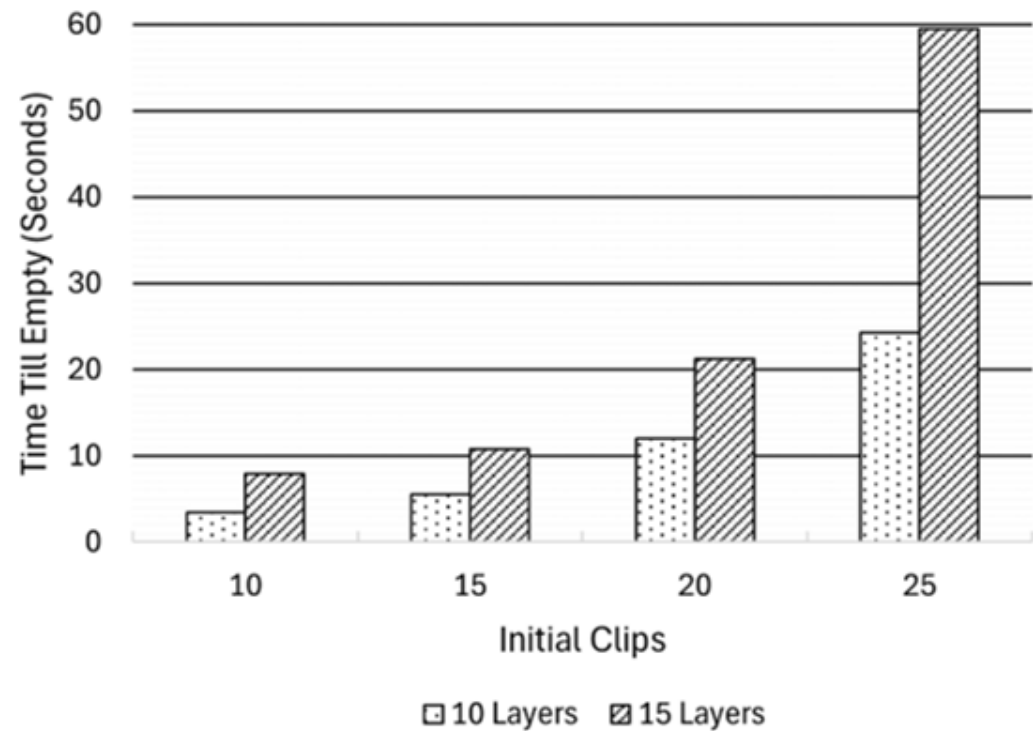


Final Testing & Developments

Owen



		Mean	
		# Layers	
Total Time (s)		10 Layers	15 Layers
# Initial	10	3.41	7.91
Clips	15	5.56	10.82
	20	12.01	21.21
	25	24.24	59.46

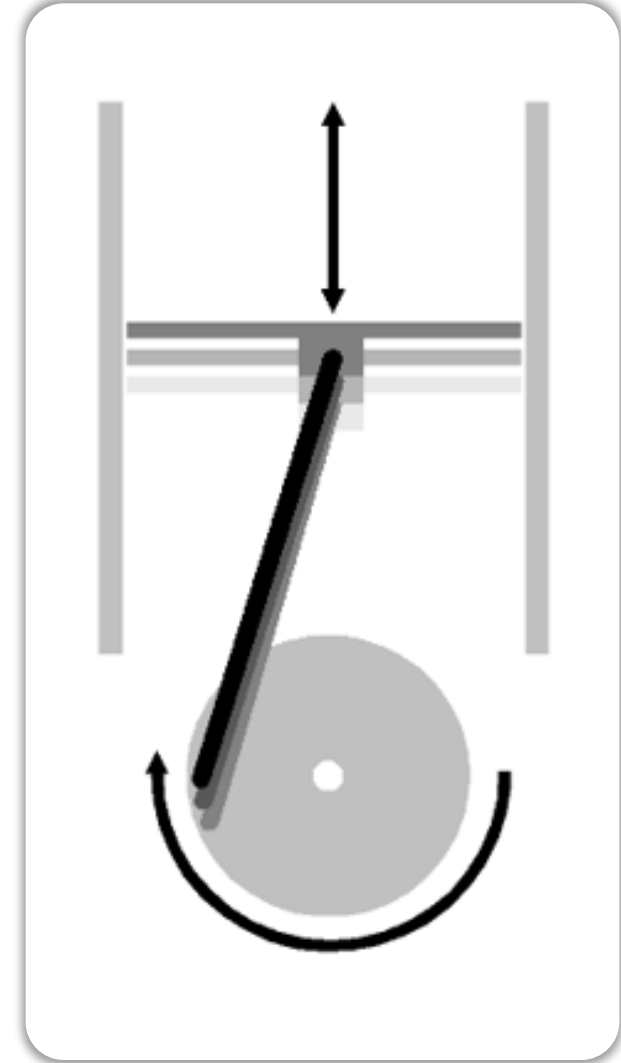
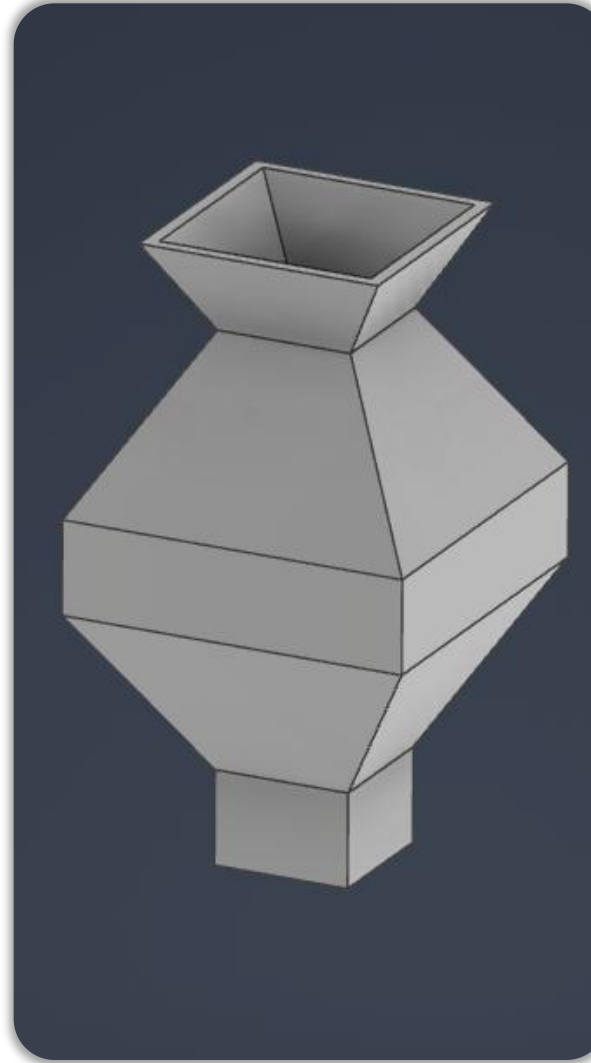


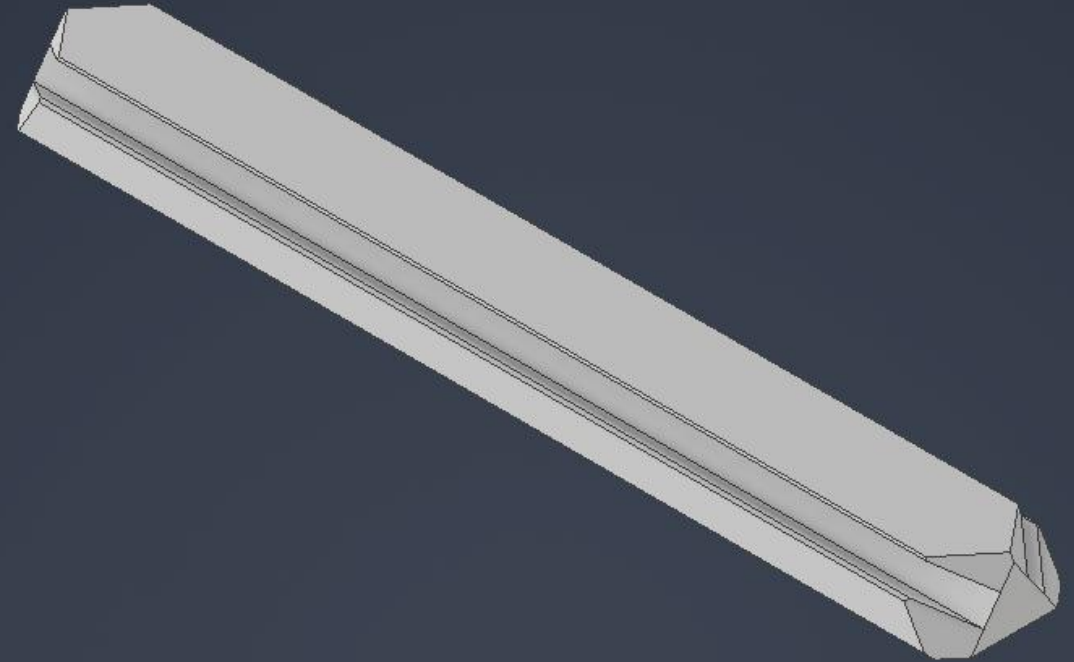
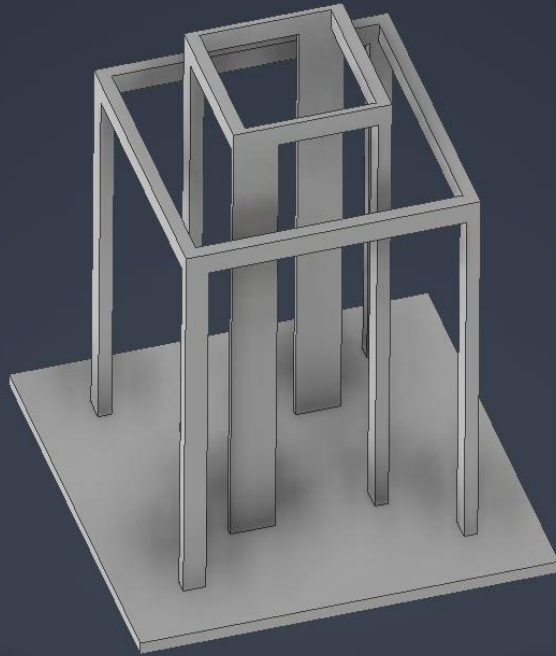
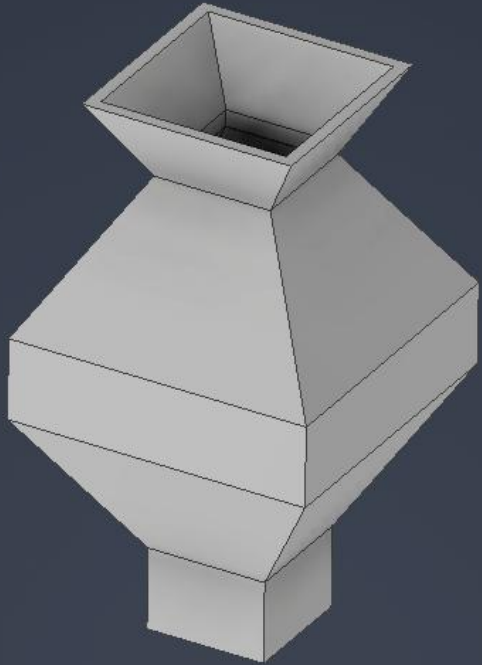
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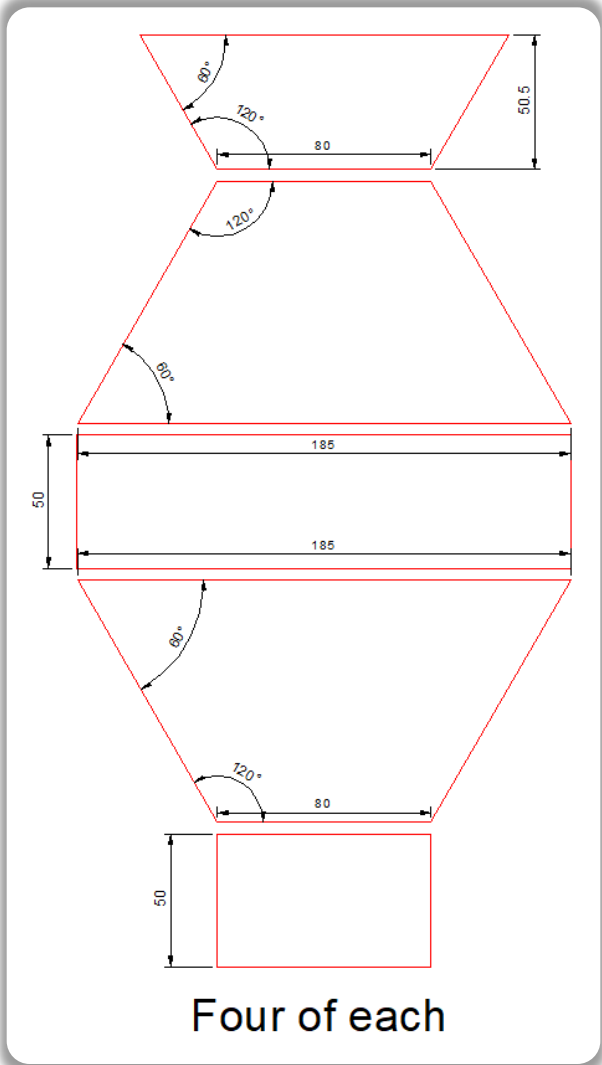
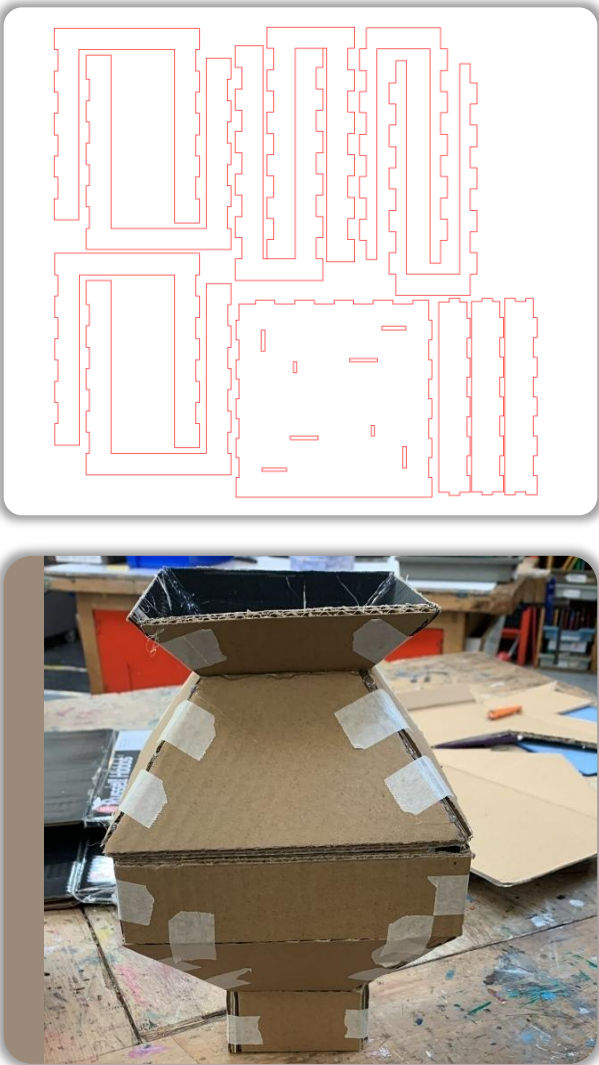
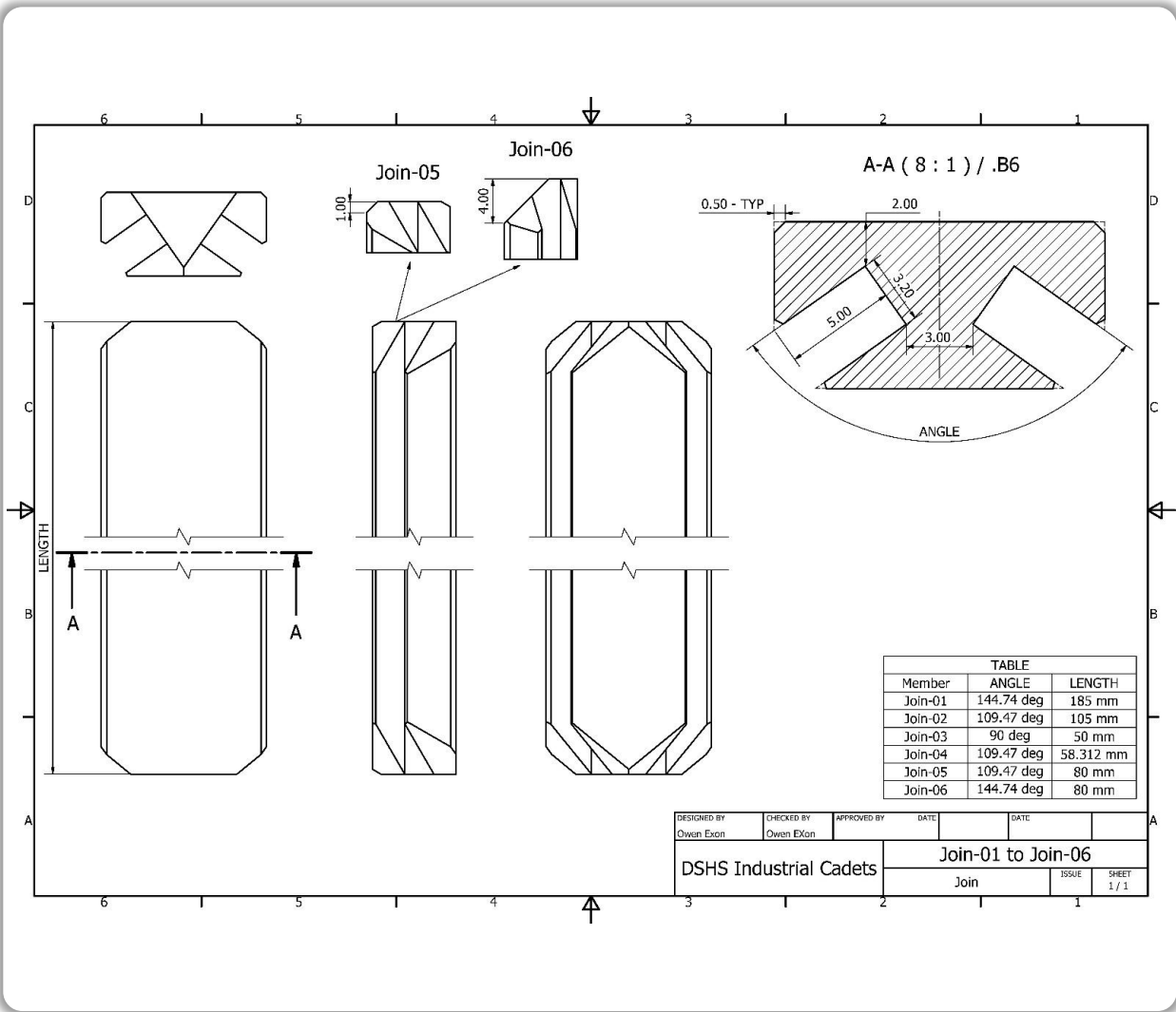


Further Final Developments

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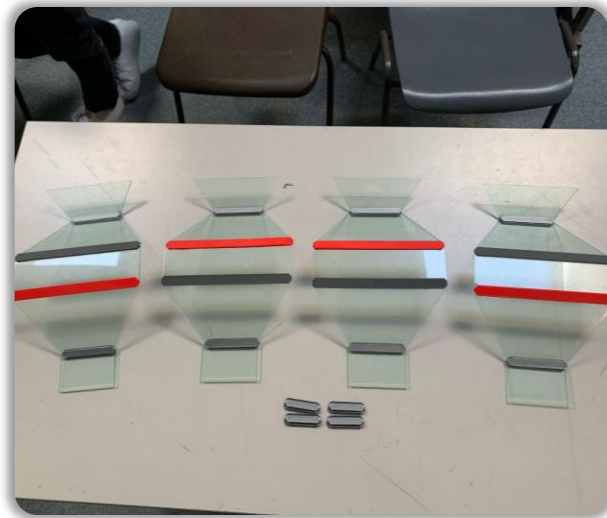
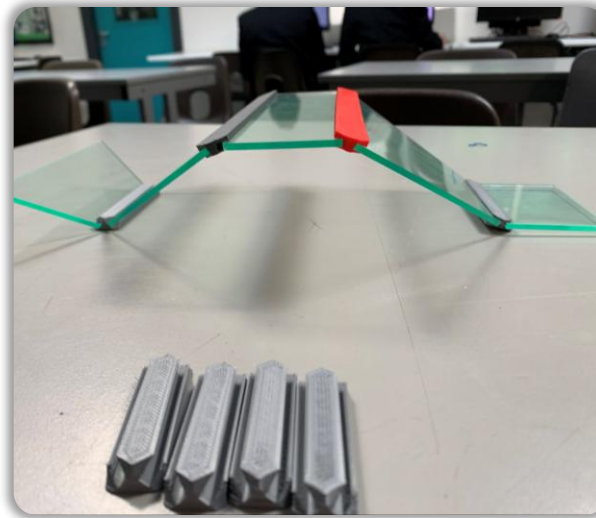
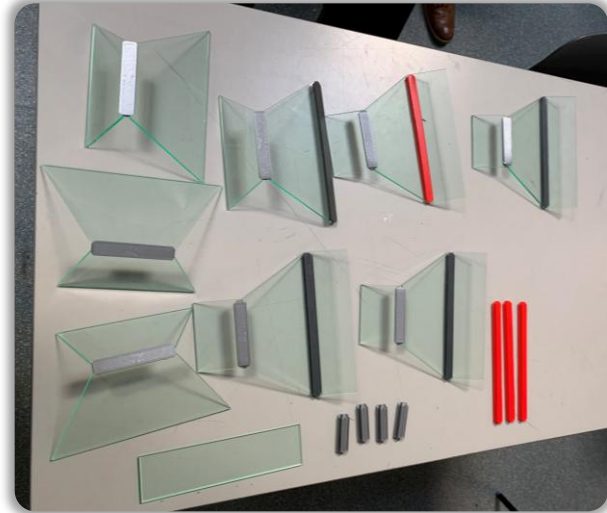
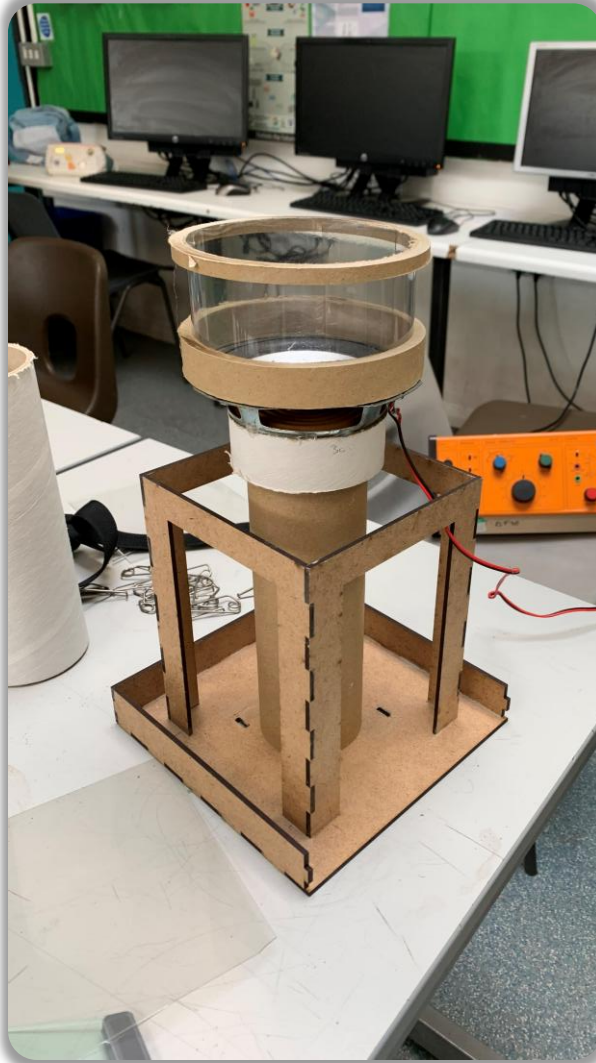






Assembly & Adjustments

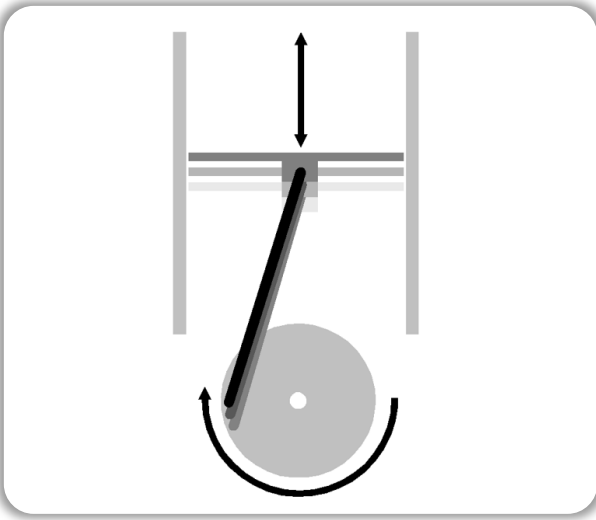
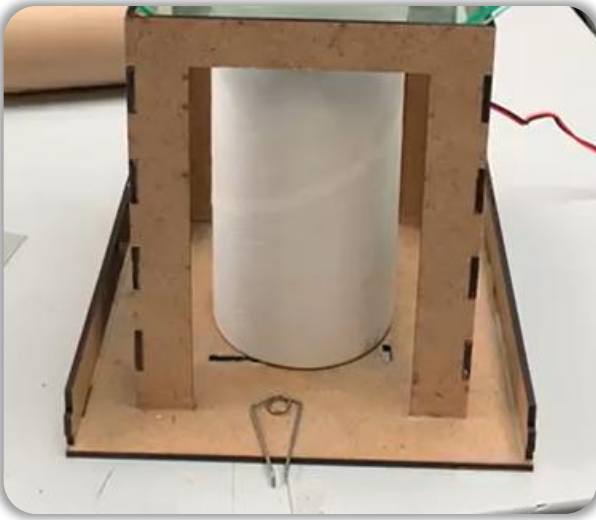
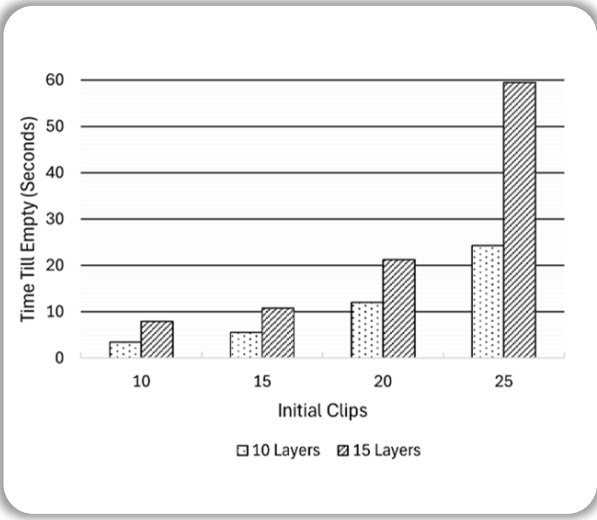
Amy





Evaluation

Owen



BOSCH



