

# REL ACADEMY *Connection*

## Unleashing Creativity Through the Design Process

The Design Process is a powerful tool that helps us turn ideas into reality, whether we're solving everyday problems or creating something entirely new. At our school, we're committed to fostering creativity and critical thinking through this method, which can be broken down into six key steps:

**Define the Problem:** Every great solution starts with a clear understanding of the problem. This step is about identifying the challenge and what needs to be solved.

**Generate Concepts:** Once the problem is defined, the next step is brainstorming potential solutions. Creativity and open-mindedness are crucial here, as the best ideas often come from exploring all possibilities.

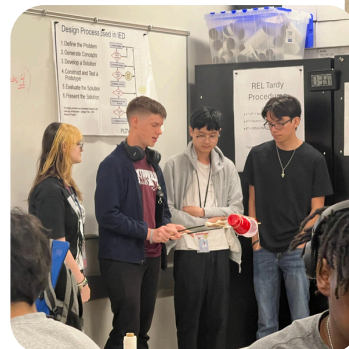
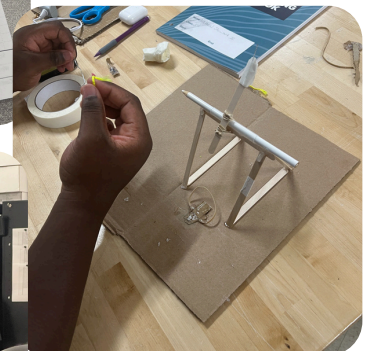
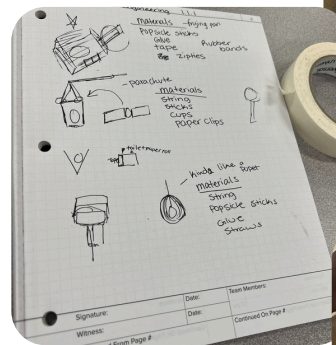
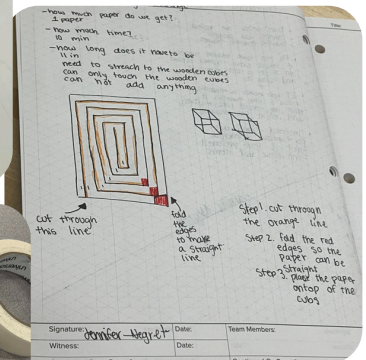
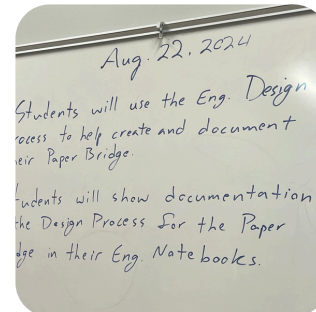
**Develop a Solution:** After generating concepts, it's time to refine and select the most promising one. This step involves planning and designing a detailed solution that meets the needs identified in the first step.

**Construct and Test a Prototype:** With a solution in mind, the next step is building a prototype—a working model of the solution. Testing this prototype helps identify any flaws and areas for improvement.

**Evaluate the Solution:** After testing, it's important to evaluate the results. Did the prototype solve the problem effectively? What can be improved? This step is all about reflection and refinement.

**Present the Solution:** Finally, the solution is ready to be shared. Whether it's a new invention, a better process, or an innovative idea, presenting the solution helps others see its value and impact.

By following the Design Process, our students are learning to approach problems with confidence, creativity, and critical thinking. It's a skill that not only helps them in the classroom but also prepares them for future challenges in the real world.



# Upcoming Events

September							
Sun	Mon	Tues	Wed	Thur	Fri	Sat	Notes
1	2	3	4	5	6	7	
	No School Labor Day Holiday		Ganderneers Meeting After School	PR 1 Grades in Portal Maritime Field Trip: Gulf Coast Industry Forum			Precision Exams Beginning of Year Pretest Window 9/3 - 9/24
8	9	10	11	12	13	14	
			STEM AC: Advisory Board Meeting			Homecoming Dance	
15	16	17	18	19	20	21	
		Open House			No School Student Holiday Staff PLC Day		Open House - Ambassadors Volunteer to support event as helpers
22	23	24	25	26	27	28	
			National Honor Society Inductions		PR 2 Ends		
29	30						
PR = Progress Report							
STEM			Cosmetology			Maritime	

Academy Handbook

Sept 20 - NASA TechRise  
Virtual Field Trip

Academy Administration  
Team

## Spotlight on STEM

### Partners In Education

Exxon Mobile donated 50 lab coats and 100+ goggles to the REL Biology team to enhance the learning experiences for Ganders in our Science classes.



### Science

Our physics students recently dove into a hands-on Vector Lab, where they applied their knowledge of vectors to real-world measurements. Armed with yardsticks, they explored various distances around the school, gaining practical experience in calculating magnitude and direction. This exercise not only reinforced their understanding of physics concepts but also demonstrated the importance of precise measurements in everyday contexts.

