

Robotics & Engineering Club

PEP West JAX, 2026 - 2027

Week	Date	Mission	Challenge
1	8/17	No Class	
	8/24	Club Orientation	Bring copy of syllabus
2	8/31	Introduction to Robotics	Bring copy of signed syllabus
3	9/7	Labor Day - No Class	
4	9/14	Programming Fundamentals	Human Robot Challenge
5	9/21	Robot Movement	Cup Navigation Course
6	9/28		
7	10/5	Programming Logic	Blindfold Builder
8	10/12	Sensors	

1	10/19	Navigation Strategies	Build a Marble Maze
2	10/26		
3	11/2	Precision & Accuracy	Target Launcher
4	11/9		
5	11/16	Debugging	Find & Fix Challenge
	11/23	Thanksgiving Break - No Classes	
6	11/30	Engineering Design	
7	12/7	Simple Machines	Build a Lifting Crane
8	12/14		
	12/21 - 1/6	Christmas Break - No Classes	

1	1/11	Engineering Communication	Build It Without Talking
2	1/18		
3	1/25	Team Design & Build Challenge	Blueprint & Build Challenge
4	2/1		
5	2/8	Mission Attachments	Design a Mechanical Grabber
6	2/15		
7	2/22	Mission Planning	Bridge Crossing Challenge
8	3/1	Testing & Troubleshooting	
	3/8-3/17	Spring Break - No Classes	

1	3/22	Missions Introduction	Minefield
2	3/29		
3	4/5	Mission Practice	Team Building
4	4/12		
5	4/19	Innovation Challenge	Team Building
6	4/26, 28		
7	5/3	Final Preparation	Team Building
8	5/10	End-of-Year Robotics Showcase	