

Teen Robotics and Programming 5-day Course Outline

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
7:30 AM	Organized off campus activities (for youth)	Breakfast for overnights (7:30-8:30 AM)					Organized off campus activities (for youth)
8:00 AM		Commuter Registration	Classroom Open				
8:30 AM		Course Intro	Review & Questions	Review & Questions	Review & Questions	Review & Questions	
9:00am		Introduction to MINDSTORMS NXT, Build Introductory Robot	Structures, Gearing, and Building Tips & Tricks	Creating Virtual NXT Robots: An Introduction	Building & Programming: Bringing It All Together	Team Project Work	
9:30am							
10:15am		Break					
10:30am		Understanding the Building Elements	Mobile Robots: Build, Program, and Test Robot 2	Stationary Robots: Build, Program, and Test Robot 4	Remote-Controlled Robots: Build, Program, and Test Robot 6	Team Project Work	
11:00am							
11:30am							
Noon		LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	
1:00pm							
1:30pm		Introduction to NXT-G Programming	Intermediate NXT-G Programming		Basics of Robotic Sumo Competition, Team Project Planning	Team Project Work	
2:00pm				Creating Virtual NXT Robots: The Next Step			
2:30pm							
3:00pm	Break						
3:15pm	Registration and check-in for overnights	Modify, Program, and Test Robot 1	Mobile Robots: Build, Program, and Test Robot 3	Stationary Robots: Build, Program, and Test Robot 5	Team Project Work	Robotic Sumo Competition	
4:00pm							
4:30pm							
5:00pm	Dinner for overnights	Home for the day or back to the dorm					
5:30pm		Dinner for overnights					
6:00pm	Orientation						
6:30pm	Organized on campus activities (for youth)	Classrooms open for project work/optional athletic activities				Dinner and a movie for those staying Friday night	
7:00pm							
7:30pm							
8:00pm							
8:30pm							
9:00pm							
9:30pm							