

Dr. Robot

– Offered Classes –

Introductory Class - Target ages: 7 to 12 years old

Class	Objectives	After the class...
#1. Solar Car	Understand the principle of solar panel Understand the principle of motor	Solar car race
#2. Wind-mill generator	Understand the difference between generator and motor Understand the implication to environment through solar and wind-mill power generation	Prizes for best ideas
#3. Building Robot “ARUKUNO”	Learn creativity in design Balance Tables and graphs	Designing robot
#4. Robot “Sumo” Competition using “ARUKUNO”	Understand the center of gravity and its importance in balance History of Sumo	Prizes to Grand Champion (<i>Yokozuna</i>) and the runner-up (<i>Ozeki</i>)

Tuition

Class	Member	Non-Member
Class #1	\$60	\$80
Class #2	\$60	\$70
Class #3	\$90	\$120
Class #4	\$40	\$60

Discounts

Membership Status	Qualification	Discounts
Member	Participants of all four classes	\$20 discounts from the total of \$250
Non-member	Participants of all four classes	\$20 discounts from the total of \$320

Advanced Class - Target ages: 9 to 15 years old

Class	Objectives	After the class...
#1. Building a line-trace car	Understand the principle and usage of sensors	Sense of achievement through the challenging assembly of the vehicle
#2. Building a clock-work robot	Understand the history of Japanese clockworks Understand mechanisms Understand gears and gear ratio	Award to the most accurate clockwork builder
#3. Building Robot "NECCHU"	Learn creativity in design Building robot frames	Designing and building a own robot
#4. Robot "Sumo" Competition using "NECCHU"	Develop and appreciate team-work and sense of achievement History of Sumo	Prizes to Grand Champion and the runner-up teams

Tuition

Class	Member	Non-Member
Class #1	\$65	\$85
Class #2	\$65	\$85
Class #3	\$95	\$125
Class #4	\$45	\$55

Discounts

Membership Status	Qualification	Discounts
Member	Participants of all four classes	\$20 discounts from the total of \$270
Non-member	Participants of all four classes	\$20 discounts from the total of \$350