Children's WORKLAB

Registration fee
$50

Sign up for a trial class!
$65/hr for ages 3 - 5
$60/hr for ages 6+

Children below 6, rates for Robotics or Engineering will be $440 for 8 x 1-hour sessions irregardless of the program or whichever the higher price.

APPRENTICE ENGINEER (ages 3 to 5) $440 for 8 x 1-hour sessions or $245 for 4 x 1-hour weekday sessions

An introductory course to basic mechanisms that aims to foster curiosity and the love of learning among our youngest participants. Children will start with Duplo® and progress to using Lego®. They will get to develop fine motor skills and visual-spatial abilities, while exploring concepts such as cause and effect, gears, pulleys and more.

JUNIOR ENGINEER
(ages <6) $440 for 8 x 1-hour sessions or $245 for 4 x 1-hour weekday sessions
(ages 6 to 8) $400 for 8 x 1-hour sessions or $220 for 4 x 1-hour weekday sessions

Through hands-on projects building Lego® machines, children will be exposed to a variety of mechanical concepts and the science of physics, such as friction, gravity, gears and levers, as well as their real life applications. The course will also enhance their critical thinking and problem solving skills.

SENIOR/MASTER ENGINEER (ages 8+) $400 for 8 x 1-hour sessions or 4 x 2-hour sessions or
$220 for 4 x 1-hour weekday sessions

This course is for older participants or those who have completed Junior engineering. Children are challenged with more complex Lego® machines, and will continue to learn about various physics and engineering concepts, including gear ratios, lever classes, stability, among others. They will be inspired to become more confident learners and problem solvers.

ROBOTICS (ages 8+ or those who have completed Master Engineer)
$400 for 8 x 1-hour sessions or 4 x 2-hour sessions or
$220 for 4 x 1-hour weekday sessions

Children will take one step further from making their Lego® machines to programming them, based on Lego® NXT, Mindstorms EV3 and Spike Prime systems. They will learn basic computer coding and develop logical thinking. Using science, engineering and computational concepts, children will bring their builds to life.

ANIMATION (ages 8+) $400 for 8 x 1-hour sessions or 4 x 2-hour sessions or
$220 for 4 x 1-hour weekday sessions

This discovery-based course aims to stimulate creativity and improve planning and organizational skills in our participants. Children will learn how to create a storyboard and digitalize their ideas, turning them into animation using Lego® elements. They will plan, script, shoot and direct their own "movie", complete with music and sound effects.

GRAPHIC DESIGN (ages 7+) $400 for 8 x 1-hour sessions or 4 x 2-hour sessions or
$220 for 4 x 1-hour weekday sessions

This course will introduce participants to the fundamentals of graphic design. Children will learn the design process, typography, color theory and how to edit and create graphics using Canva and Photoshop, Equipped with the knowledge, they will work on projects where they will exercise and boost their creativity. A brief introduction to PC & PC accessories may be taught to first timers.

3D MODELLING (ages 8+) $450 for 8 x 1-hour sessions
Saturdays only

This course provides an introduction to 3D design and printing, covering design thinking and key considerations. It teaches the use of Tinkercad for 3D modelling and allows participants to design and print their own innovative products to take home. A brief introduction to PC & PC accessories may be taught to first timers.

Schedule

Mon/Tue/Thur	3:30 pm - 4:30 pm	Sat	9:45 am - 10:45am	Sun	9:45 am - 10:45am
	4:30 pm - 5:30 pm		11:15am - 12:15pm		11:15am - 12:15pm
*Wed/Fri	3:30 pm - 4:30 pm		1pm - 2 pm		
	4:30pm - 5:30 pm		2:30 pm - 3:30pm		* Only available at UE