

# June 24 - July 12

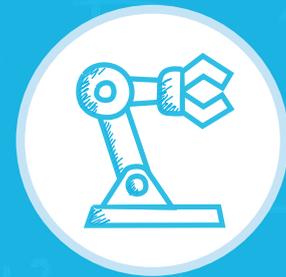
## SUMMER PROGRAM

Choose your favorite topic and week. Each camp comprises of 4 sessions of 2 hours each



## Robotics

Robotics camps and classes give students the opportunity to dive deep into the world of STEM. With robotics, they explore how coding and robot design can solve problems big and small.



### ► Stream 1, 6-7 year old, 4 sessions/week (4x 2hrs)

**Cost: IDR 1,200,000 per student per week or IDR 350,000 per class**

Practice your motor skills and develop your coordination and creativity, together with your thinking skills, to build basic robots. Learn to program your robots using basic codes and use them to solve challenges.

#### Week 1 SUPERPATROL - All about robotic vehicles

Build your first FASTEC car, an HELICO-BOT and a SENSING-BOT. The last day is a fun competition combining basic programming and a line-follower robot: time to race. Everyone will get a prize.

#### Week 2 DINO ROBOTS - All about robotic animals

Animals are fascinating and robots have been trying to emulate them. You will build the CRAB-TECH, as well as the RABBIT-BOT and a DINO-BOT. At the end, you will create a robot-zoo project to save the world.

#### Week 3 AROUND THE WORLD

Travel around the world to its many landmarks: the Great Wall of China, the Great Pyramid of Giza, the Taj Mahal in India or even the Arc de Triomphe in Paris. Travel with your robot in a fun final race around the world.

### ► Stream 2, 8-10 year old, 4 sessions/week (4x 2hrs)

**Cost: IDR 1,200,000 per student per week or IDR 350,000 per class**

Discover, build and play with the latest available Korean robots and develop your basic programming to instruct your robot and help you achieve your plan to save the world.

#### Week 1 CLEAN UP THE WORLD

Robot help us achieve tasks that are difficult or repetitive. You will build CAN-BOT and SUPERAVOID-BOT and other robots using various cool electronic sensors. At the end, measure your skill in the grab-bot sorting game.

#### Week 2 OLYMPIC ROBOTS - Time for sports

Playing with robots can be like sports. Learn to build robots using coordination, persistence and problem-solving skills. Break down basketball skills with the AVOID-BOT, or try your hand on the SOCCER-BOT or PING-PONG-BOT. Finally, you will compete in a mega-ball game to defend your balloon.

## ► Stream 3, 11-14 year old, 4 sessions/week (4x 2hrs)

**Cost: IDR 1,200,000 per student per week or IDR 350,000 per class**

Enter the world of XXI century robotics leading to IoT. In this camp we will introduce students to more advanced robotics, including Arduino.

### Week 1 SPACE EXPLORATION – IR sensors

Arduino is an open-source hardware and software company, project and user community that designs and manufactures single-board microcontrollers and microcontroller kits for building digital devices and interactive objects that can sense and control both physically and digitally. Build, program and overcome challenges with the SPIKE-BOT, IR-SENSOR-BOT, and SPACE BOT. Lastly, save lives with the LAND MINE SWEEPER BOT.

### Week 2 DEFENSE ROBOTS – Time for protection

Robots can become great weapons and also defense tools. You will create a BOXING-BOT and a TRANSFORMER-BOT. In this last session, challenge yourself and your teammates in a SUMO-BOT fighting competition. Will you know how to build the winning fighter? Then show your coordination and perseverance in the ring in a heated, yet friendly match.

### Week 3 ROBOTICS BOOT CAMP

If you really love robots, this advanced classes will challenge you to learn like never before and overcome plenty of challenges. You will build a large range of robots, using various sensors and electronic components, including Arduino. You will discover many of cool functionalities and use programming in a creative way.

**Super deal: Purchase your robot for only IDR 1,300,000**



**WhatsApp/Call: DESSY  
+62 822-6051-0918**

## Sign Up Now!

**BY SIGNING UP, YOU'LL GET:**

- 10% early bird discount before 29 May
- + 10% off when you sign up for more than one module
- + 10% off for IQ students

- Weekly programs are modular and do not require knowledge from previous weeks.
- You can sign up for any week or weeks of your choice.
- If the minimum class size of 6 students is not met, parents will be informed 1 week in advance and offered the choice of either a refund or another class.

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## Speech & Drama

These classes develop participants' confidence and soft skills through the world of Drama. They learn to speak better, express themselves creatively in front of an audience, and work with each other for their performance..



### ► Stream 1, 6-9 year old, 4 sessions/week (4x 2hrs)

**Cost: IDR 950,000 per student per week or IDR 275,000 per class**

Fun stories to engage the young ones

#### **Week 1 COOKING DRAMA - Welcome to my restaurant!**

The camp will start with fun role-play based on our Cooking Drama script and students will start thinking about the kind of restaurant they would like to open, and which food to serve. Our art teachers will help them create special ingredients, dishes and cakes and they will then explore roles and situations through our unique speech and drama methodology. At the end, students will enact the scene of a restaurant, with the chef and customers.

#### **Week 2 SUPERHERO SPECIAL ADVENTURE - Defend the village!**

Some super villains attack the village. Superheroes come to the rescue. Inspired by our unique scripts and role-play, students will then create their own superheroes and in particular their costumes based on fantasy stories.

### ► Stream 2, 10-14 year old, 4 sessions/week (4x 2hrs)

**Cost: IDR 950,000 per student per week or IDR 275,000 per class**

Reach for your dreams, be the best in the world

#### **Week 1 FASHION SHOW FOR CHARITY - Glamour and Camaraderie!**

Have you ever dreamed of walking down the red carpet as a superstar, or as a top sportsperson who just won a gold medal at the Olympic games? This week, you will explore the challenges and situations that celebrities face, and create your dream costume/sportswear. Finally, our teachers will help you build your own "show" with your own costumes... Lights, camera, action!

## Week 2 ACTOR STUDIO – Rising stars

**Session 1:** Use actor-training techniques to build confidence in expressing one’s emotions, presenting and introducing oneself and other communication skills.

**Session 2:** Research and develop improvisation skills around some life themes relevant to student life and their social context.

**Session 3:** Practice and record your own video “short resume”.

**Session 4:** Practice and record your video clip.



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## Science

### (LEARNING THROUGH EXPERIMENTS)

Students get curious with SCIENCE experiences that satisfy their innate cravings for exploration of new things and concepts through our perfectly fun and school-unrelated camp.



- ▶ **Stream 1, 6-9 year old, 4 sessions/week (4x 2hrs)**
- Stream 2, 10-14 year old, 4 sessions/week (4x 2hrs)**

**Cost: IDR 950,000 per student per week or IDR 275,000 per class**

We will use specific content, worksheet and trainer for each age group

#### Week 1 - Session 1 Cold Process Virgin Coconut Oil

Coconut oil offers a variety of health benefits and can be used for cooking as well as skin and hair care. You can make your own virgin coconut oil using a coconut and a few simple tools. Once the oil has separated from the cream and solidified, use a spoon to remove it from the first container and place it in a new container. It is now ready to use.

#### Week 1 - Session 2a Make a Candle

You will learn how to make a candle with this cool experiment, which explains how the process works. Once it's finished, you can then burn your own homemade candle!

#### Week 1 - Session 2b Mozzarella Cheese

Here we will teach you how to do it using milk, citric acid, rennet and some magic. Knowing that at any moment, should the desire present itself, you could whip up your very own ball of creamy mozzarella, still warm from the whey whence it came? Yes.

#### Week 1 - Session 3 Make your own Tempeh

As with other fermented products, such as yoghurt, miso, natto or kombucha, a starter is required to initiate the fermentation. Without a good starter other micro-organisms will spoil the product and make it uneatable or even poisonous. In Indonesia, tempeh starter is made by wrapping cooked soybeans inside hibiscus leaves, which naturally contains the desired Rhizopus molds, and leaving it to ferment for a few days in a warm place.

#### Week 1 - Session 4 Making Bioplastic from Cassava

Cassava is a cheap and common root vegetable across Indonesia, home of the inventor of the cassava bioplastic, Kevin Kumala. This bioplastic contains cassava starch, vegetable oil, and organic resins. Learn how to make your own bioplastic using cassava peels in this eye opening experiment.

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**Stream 2, 10-14 year old, 4 sessions/week (4x 2hrs)**

**Cost: IDR 1,050,000 per student per week or IDR 275,000 per class**

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**Week 2 - Session 1 Renewable energy: motor and generator**

Solar cells are devices that can be used as a source of power when there is light shining on them, but they stop producing energy when they are not in the light. One way to store the solar energy for later use is to use a solar cell to charge something called a capacitor. The capacitor stores the energy as an electric field, which can be tapped into at any time, in or out of light. In this electronics science project, you will use parts of a solar car to experiment with the energy storage capacity of a supercapacitor.

**Week 2 - Session 2 From Cocoa Beans to Chocolate**

Not like the regular chocolate-making workshops where one learns to make desserts with fillings; but the kind that takes you through the entire gamut – from roasting and shelling cocoa beans, winnowing and grinding, to finally melting and tempering before pouring it into moulds to create your own bar of chocolate.

**Week 2 - Session 3 Natural Dyes & Ecoprint (1st workshop)**

A workshop about learning how to create natural dyes and eco prints with local plants to design beautiful patterns on a T-shirts or scarf. We will spend the session creating natural dye baths from materials grown locally. We will play with different Japanese shibori techniques to create design patterns to use as your base for eco printing.

**Week 2 - Session 4 Natural Dyes & Ecoprint (2nd workshop)**

The second workshop will be about using local plants to create a richly colored piece of cloth with leaves and flowers. No previous experience with natural dyes, eco printing or textiles is necessary.



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