

## Contribution to Local Communities

### Creating a Society Where People Can Lead Healthy and Affluent Lives

#### Asunaro House for Children with Intractable Diseases and Their Families

The Nippon Kayaku Group, as part of commemorative projects marking its 80th anniversary and under the motto of “Let’s assist children with intractable diseases and their families,” owns and operates Asunaro House. Located near central Saitama City, Saitama Prefecture, this extended-stay facility accommodates children undergoing hospitalization and treatment of illnesses and their accompanying family members.

With 10 private rooms of about 18 square meters that are able to accommodate two adults and a child, along with a large dining room and kitchen, the facility serves as a comfortable “home away from home.”

Current and former employees of Nippon Kayaku and its affiliates regularly perform volunteer cleaning and yard work at Asunaro House so that families can enjoy a pleasant stay.

Our goal is to offer a facility that provides opportunities for the families of sick children to find comfort in one another and helps alleviate the mental and financial burden on these families while safeguarding their privacy.

2,395 people

Total number of users per year \*

159 families used the facility annually

\* Jan. to Dec. 2021



Current and former employees volunteering to perform cleaning, yard work and others

#### Message

Since its founding 24 years ago, Asunaro House has hosted a total of 73,416 people and 3,799 families.

From all across Japan, more and more families are coming to us to receive expert and advanced treatments at nearby medical institutions offering pediatric care, including Saitama Children’s Medical Center, Saitama City Hospital and Yamato Acupuncture Clinic.

The number of families staying has been decreasing due to the outbreak of the COVID-19 pandemic in 2020, but we continue to host families daily while enacting measures to prevent the spread of infection.

Since accepting the position of House Manager in 2017, I’ve sought to give the premises a sense of seasonality through decorations and to incorporate new things I have learned through information exchanges with similar facilities nationwide, to make Asunaro House a home for those who stay here.

We will continue to make efforts every day to make this a “home away from home” where children battling intractable illness and their families can stay in safety, ease and comfort.

We cherish every “thank you” that we hear from children who leave the hospital and head back to their real homes with their families.

Yamaji, House Manager



#### Providing Support for LRI Activities

The Long-range Research Initiative (LRI) is a joint initiative of the chemical industries of Japan, the United States and Europe (specifically, the Japan Chemical Industry Association, the American Chemistry Council and the European Chemical Industry Council). As part of the voluntary activities of the International Council of Chemical Associations (ICCA), the LRI supports long-term research into the effects of chemicals on human health and the environment, with a focus on endocrine disrupting effects, neurotoxicity, chemical carcinogenesis, immunotoxicity and elaborating risk factors.

The Nippon Kayaku Group has actively supported the LRI since its launch in 1999 by offering financial support for LRI activities and attending meetings of the committee.

> [LRI](#)

## Sports Promotion

The Nippon Kayaku Group works to support sports activities and holds in-house health promotion events. We will continue to advance a variety of social contribution activities to realize our Corporate Philosophy of safeguarding life and health and supporting comfortable lives.

### ◆ T.League Official Sponsor

We endorse and support the T.League philosophy of enriching lives through the world of table tennis.

Along with our support for the league, we will work to fulfill Nippon Kayaku's Corporate Philosophy of safeguarding life and health and supporting comfortable lives.

> [T.League official website](#)

### ◆ V League: Gold Partner, Wolfdogs Nagoya

Volleyball is a sport that connects players through play. We endorse and support the activities of Wolfdogs Nagoya, a team that upholds the idea of bringing people together.

> [Wolfdogs Nagoya official website \(Japanese\)](#)

### ◆ Participation in the Scrum Japan Program as a supporter

We serve as a supporter of Scrum Japan, a program launched by the Japan Rugby Football Union to carry out rugby-based activities to nurture and educate the children and adolescents who will one day shape our future.

Endorsing the program's aims, we will participate as a supporting member and provide support as a part of our social contribution activities.

> [Scrum Japan Program official website \(Japanese\)](#)



### Nippon Kayaku Head Office

## Certified as a 2021 Tokyo Metropolitan Government Sports Promotion Company

Nippon Kayaku was certified by the Bureau of Olympic and Paralympic Games Tokyo 2020 Preparation as a 2021 Tokyo Metropolitan Government Sports Promotion Company. Under the certification system for this program, the Tokyo Metropolitan Government recognizes companies that demonstrate outstanding efforts in promoting employees' sports activities and social contribution activities in the field of sports.

Nippon Kayaku will continue to engage in health promotion events and actively work to improve our employees' health.

> [Tokyo Metropolitan Government Sports Promotion Company Certification System](#)



## Supporting the Development of the Next Generation

### Initiatives to Develop the Next Generation of Leaders

To help raise the next generation of leaders, the Nippon Kayaku Group takes the following four approaches to teach children about the wonders of chemistry: outreach classes, learning collaboration, site visits and the organization of events.

In FY2021, due to the COVID-19 pandemic, we cancelled or postponed the planned events, or switched to holding them online.

## Outreach Classes

Based on our own educational program, we develop outreach classes in line with elementary schools' guidelines and hold the classes at schools around our plants and research facilities.

### ◆ Outreach class: “Discovering the body! Mechanisms of the body and its relationship to medicine”

In this class, we provide a curriculum to teach students the following four concepts through experimentation, developed based on “Constitutions of the Human Body and Functions” as a science subject related to the pharmaceutical business.

1. How are nutrients absorbed into the bloodstream after being digested; how do they circulate throughout the body?
2. How do medicinal ingredients become absorbed into the bloodstream from the small intestine; how do they circulate throughout the body?
3. The close relationship between the efficacy of medicines and the body's mechanisms.
4. The efforts being made by pharmaceutical companies to devise various measures and develop products

### Takasaki Plant Class for sixth-graders at Takasaki Iwahana Elementary School

An outreach class was hosted for sixth-graders at Takasaki Municipal Iwahana Elementary School in June 2019.

Employees from the Takasaki Plant with highly specialized knowledge acted as the teacher and teaching assistants.

Although somewhat out of their comfort zone, they strived to bond with the students so as to promote a clear understanding and share their advice. We will continue to hold outreach classes like this one in order to instill an interest in chemistry among schoolchildren, hoping that they will go on to be productive members of society.



Class held in FY 2019

### Tokyo R&D Administration Office Class for sixth-graders at Kita City's Nadeshiko Elementary School

An outreach class was hosted for sixth-graders at Kita City's Nadeshiko Elementary School in July 2019.

Researchers from the Pharmaceuticals Research Laboratories and Functional Chemicals R&D Laboratories served as the teacher and teaching assistants. The students were captivated by the experiments performed and gave them their undivided attention. The outreach class experience was also appreciated by teachers at the school. Through this event, students were encouraged to learn more about chemistry as well as to understand more about Nippon Kayaku.

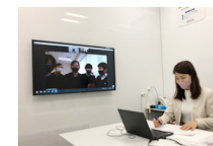


Class held in FY 2019

## Learning Collaboration

### Nippon Kayaku Head Office Collaborating on learning with Kudan Secondary School in Chiyoda City

Nippon Kayaku collaborates with Kudan Secondary School, located in the Company's previous head office area in Chiyoda City, Tokyo, to help children learn about the local area in the school's comprehensive learning classes. We have continued to do this as a local contribution activity even after relocating our headquarters to the Marunouchi area in 2014. Every year, we invite students to Nippon Kayaku for an introduction to the Company, a lesson on advertisement production, an explanation of an assignment, a company tour and other activities, with students presenting us with their completed assignment at a later date.



Assignment: “Think about an advertisement unique to Nippon Kayaku that would attract people's interest!”

This year, due to COVID-19, we held the event using a teleconferencing system. One of our employees who has created advertisements as a member of the public relations team gave a class on ads, discussing “what, how and to whom” an ad should communicate to be effective. Students put forth ideas and deepened their discussion in groups. They delivered an interim report one month later, then a final report using PowerPoint a month after that.

We will continue this effort as an aid to students' learning.

## Site Visits

### Himeji Plant Initiatives to cultivate the next generation

We invited sixth-graders from a nearby elementary school for a workshop to create fizzy tablets that resemble the gas-forming agents produced at our Himeji Plant.

The children also watched a video on the importance of airbags and the combustion of gunpowder, and experienced component and product quality inspections at our “DOJO” facility for in-house hands-on education.

We will continue to devise measures to communicate the fascination of science and the fun of creating things.



Workshop held in FY 2018

## Events

### Asa Plant Science Expo hosted by the City of Sanyo-Onoda “Using Chromatography to Make Round Fans” event for elementary and junior high school students

The Asa Plant participates in the annual Science Expo hosted by the City of Sanyo-Onoda. Under this year’s theme, “Let’s Play with Color,” we performed chromatography experiments and provided students with a chance to experience the world’s only round fan making event.

Children were able to get a sense of the wonders of science as we explained how to use color separation when making the fans.



Event for children held in FY 2019

### Tokyo R&D Administration Office Held class for elementary school children during summer vacation

A summertime class for elementary school students between grades three and six was held at Nadeshiko Elementary School in Kita City, Tokyo in August 2019.

Members of our Tokyo R&D Administration Office and our other research laboratories collaborated in holding experiments using acrylic resins, which are photosetting resins. The children were excited to see the liquid acrylic resin become solid when exposed to light. Going forward, the office will continue to host events such as this for students to engage their interest in chemistry while learning more about Nippon Kayaku.



Class held in FY 2019

### Tokyo R&D Administration Office and Head Office Hosted by the Japan Chemical Industry Association (JCIA) The Summer Children’s Science Experiment Show: Experience-based Classroom

Nippon Kayaku participated in the Summer Children’s Science Experiment Show for elementary school students held for two days on August 3 and 4, 2019, at the Science Museum (Kudanshita, Tokyo). More than 200 children took part in the event.

With the theme, “A Shiny Key Holder Made of Resin: The Riddle of a Strange Liquid That Hardens in the Light,” participants made objects using photosetting acrylic resin. This was the first time we chose photosetting resin as the theme for the Summer Children’s Science Experiment Show. Participating children had fun and cheered when they finished making unique key holders using shiny beads along with a decal of Kayakuma the Bear.



Class held in FY 2019

### Kayaku Safety Systems de Mexico, S.A. de C.V. Educational support program

As part of its sustainability promotion activities, Kayaku Safety Systems de Mexico (KSM) holds an annual competition for its employees’ children with an eye to supporting their education. This program is intended to help motivate the children to greater learning. In the recent competition, each participating child drew a picture of Nippon Kayaku’s mascot, Kayakuma the Bear, guided by such themes as “commitment,” “teamwork” and “consideration to the environment and safety,” which are values upheld by KSM. Then, at the end of the event, each of the children was given a “scholastic kit” consisting of an official KSM backpack, useful school supplies and souvenirs.

KSM is thus supporting its employees’ children in their studies to promote their academic development and future careers.



## Initiatives in Local Communities

The Nippon Kayaku Group strives to foster understanding of its business activities in local communities through festivals and open houses at its plants and facilities, educational programs, donations and other forms of support, blood drives, the Pink Ribbon campaign, clean-up campaigns and roundtable discussions.

Going forward, we will organize various platforms to proactively make exchanges and communicate with local people to be a company that is deeply rooted in the local community.

## Nippon Kayaku's Agreements with Local Entities

| Business Site                   | Agreement   | Local Entity   |
|---------------------------------|---|--|
| Fukuyama Plant                  | Agreement on environmental pollution control  | Hiroshima Prefecture and Fukuyama City   |
| Asa Plant                       | Agreement on water pollution control  | Yamaguchi Prefectural Fisheries Cooperative  |
|                                 | Agreement on environmental protection   | Sanyo-Onoda City   |
| Tokyo Plant                     | Green agreement   | Adachi City  |
|                                 | Agreement on establishing Colored Effluent Issue Council  | Tokyo Metropolitan Bureau of Sewerage No. 2 Control Office                                 |
|                                 | Agreement on mutual disaster relief support in case of an earthquake  | Shinden Neighborhood Association and Shinden 1-chome Residents' Association in Adachi City |
|                                 | Agreement to provide the general public with access to a small water pump storage facility  | Senju Fire Department  |
| Tokyo R&D Administration Office | Provision of firefighting facilities<br>1. Provision of water for firefighting<br>2. Deployment of a boat for rescues<br>3. Firefighting group cooperation site<br>4. Use of rooftop as a lookout | Tokyo Fire Department Akabane Fire Station   |
| Takasaki Plant                  | Agreement on assistance from voluntary firefighting brigade   | Regional fire departments including that of Takasaki City                                  |
| Himeji Plant                    | Memorandum on effluent control  | Himeji City  |
| Kashima Plant                   | Agreement on environmental pollution control  | Ibaraki Prefecture, Kashima City, Kamisu City  |

### Asa Plant Ganbaro ASA! "Fireworks for hope"

Wanting to lift the spirits of spectators and give them a bit more hope for tomorrow, the plant organized a fireworks event again this year, as in the previous year, to express our gratitude to locals for their support and to medical practitioners for their efforts to stem the pandemic. With the support of local people, we were able to use a space in the Kaji port area of Sanyo-Onoda City to launch the fireworks. We also livestreamed the event for the first time on our official YouTube channel so that more people could view the 15-minute fireworks display. We were able to deliver a bit of cheer in the face of the pandemic, with spectators at the site applauding the colorful fireworks as they lit up the night sky. We would like to thank everyone who contributed to the event.



### Tokyo Plant Granted a prize from each of the TFD Fire Chief and the president of the Tokyo Disaster Prevention & Emergency Medical Service Association

In November 2021, the Tokyo Plant received two prizes, one from the Tokyo Fire Department (TFD) Fire Chief and one from the president of the Tokyo Disaster Prevention & Emergency Medical Service Association.

The plant was granted the prizes in recognition of its long-term cooperation with the Senju Fire Department. The Tokyo Plant is one of only a few chemical plants that still exist in Tokyo and it has been fostering collaboration with the local fire department by holding a comprehensive disaster control drill every year and participating in the meetings held by the Senju Fire Department to review voluntary firefighting training.

The plant will continue its operation while giving first priority to safety.

