



With Our Local Communities

The Nippon Kayaku Group aims to be a company closely rooted in communities through its involvement at the local level, proactive engagement with all stakeholders and support for the educational needs of the next generation.

For society built on a healthy and productive life

The Pink Ribbon Campaign

The Pink Ribbon Campaign was launched by Nippon Kayaku in 2004 to convey the importance of early detection, early diagnosis and early treatment of breast cancer. Fiscal year 2018 marked the 15th year of these activities.

The campaign includes running a breast cancer awareness website, employees wearing Pink Ribbon Badges, and handing out items that help raise awareness such as bumper stickers. At first these items were handed out at the closer station nearest to our corporate head office, but starting in fiscal 2012 we handed items out at the railway stations closest to all of our business sites in Japan (Fukuyama Plante, Tokyo plant, Asa Plant, Takasaki Plant, Himeji Plant, and the Tokyo), where we also lobbied passersby about the importance of breast cancer screenings.

Furthermore KSM and KSE of overseas group companies also have carried out the Pink Ribbon Campaign, Nippon Kayaku's Pink Ribbon Campaign are expanding worldwide.



Kayami – the Nippon Kayaku Pink Ribbon campaign character



Breast Cancer Info Navi

Breast Cancer Info Navi was launched in 2006 as an informative website for breast cancer patients. This Navi aims to provide information from specialist physicians and pharmacists to all women, not just breast cancer patients and their families.

> [Breast Cancer Info Navi](#) 



Kayaku Safety Systems Europe a.s. (KSE)

Theme for this year's campaign: Prevention is critical!

KSE held its 4th pink ribbon day campaign on Oct 12, 2018 with ZO ONKO-DUHA Vsetin.*1 This year, students from the medical secondary school in Vsetin took part in the campaign. These students, along with experienced ZO ONKO-DUHA members, provided participants with information about the importance of breast cancer detection, how to carry out a self-examination, and how to prevent breast cancer. At the end of the campaign, ZO ONKO-DUHA gave a pink reflector in the shape of a flower and a pamphlet to all participants.

*1 ZO ONKO-DUHA Vsetin is the Vsetin branch of SPCCH (an organization for breast cancer patients in the Czech Republic), which in turn is an organization to which KSE has been providing financial assistance since 2015.



KSE's employees also showed their support for the campaign by wearing pink.

Kayaku Safety Systems de Mexico, S.A. de C.V. (KSM)

The Pink Ribbon Campaign

October is Breast Cancer Awareness Month.

KSM held an in-house pink ribbon campaign, which taught all employees about the importance of early detection of breast cancer and how to conduct a self-examination and urged employees to share that information with their families.

In 2018, Vanessa Martínez and Beatriz Montemayor of the Cruz Roja Mexicana were invited to lecture on the importance of early breast cancer detection, how to conduct a self-examination, the characteristics of breast cancer, and the importance of living a healthy life. Also, in addition to their lecture, they taught actual self-examination techniques using silicon samples and exchanged ideas with employees, thus deepening employees' knowledge of breast cancer. Following the lecture, everyone who attended received chocolate and a pamphlet containing the text of their talk.



Asunaro House – Let's Assist Children with Intractable Diseases and Their Families

The Nippon Kayaku Group, as part of the 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, an extended-stay facility for caregivers in Saitama City, Saitama Prefecture.

This facility safeguards users' privacy and provides parents with a child fighting an illness an opportunity to meet others like themselves, which helps to alleviate the mental burden placed on parents.



Message

I have been working as the House Manager at Asunaro House since 2017. This facility has hosted over 3,000 families since it was established in 1998. After the Saitama Children's Medical Center relocated to Saitama Shin Toshin in December 2016, we have seen an increase in users of the facility.

As the time changes, the demands for our facility is also gradually changing. Asunaro House aims to constantly evolve in anticipation of the ever-changing needs of the families choosing our facility to stay a safer, more secure and comfortable environment.

There is no better recognition than the simple words "thank you" as the children are discharged from the hospital and ready to move back home as a family.



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. Part of the voluntary activities of International Council of Chemical Associations (ICCA), LRI supports long-term research into the effects of chemicals on human health and the environment, with focus on endocrine disrupting effects, neurotoxicity, chemical carcinogenesis, immunotoxicity and elaborating risk factors.

Nippon Kayaku has actively supported LRI from its start in 1999 by offering financial support for LRI activities. and attending the committee.

Supporting the Development of the Next Generation

CSR Educational Initiatives

Three approaches including outreach classes, events, and site visits.

Outreach Class

Outreach classes are developed based on our own educational program that are in line with elementary schools' guidelines with and implemented in schools around plants.

■ Outreach class: "Discovering the body! Mechanisms of the body and its relationship to medicine"

A curriculum to learn 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 deep relationship between the efficacy of medicines and the body's mechanisms.
- (4)Pharmaceutical companies making various efforts.

Takasaki Plant

Class for Grade 6 students at Takasaki Municipal Iwahana Elementary School

An outreach class was hosted for grade six students at Takasaki Municipal Iwahana Elementary School on June 20, 2018. Employees from the Takasaki Plant with highly specialized knowledge acted as the teacher and teaching assistants. While these teachers were somewhat nervous, they strived to get closer to the students to promote clear understanding and share their advice. We will continue to hold outreach classes like this one in order to instill interest in chemistry among school children and enable them to feel more comfortable as a member of society.



Tokyo R&D Administration Office

Class for Grade 6 students at Kita Ward Nadeshiko Elementary School

An outreach class was hosted for grade six students at Kita Ward Nadeshiko Elementary School on June 29, 2018. Researchers from the Pharmaceuticals Research Laboratories and Functional Chemicals R&D Laboratories served as teacher and teaching assistants. The students were captivated by the experiments held in class and gave their undivided attention. The outreach class experience was also appreciated by the school teachers. Through this event, students were encouraged to learn more about chemistry as well as to understand more about Nippon Kayaku.



Site Visits

Himeji Plant

Initiatives to Cultivate the Next Generation

The two programs of "Creating Fizzing Tablets" and "Plant Tour" launched in commemoration of the 100th anniversary of the company's founding were hosted for grade six students at Toyotomi Elementary School located near the Himeji Plant. These programs were held for the 4th year in fiscal 2018 with a total of 24 participating students.

In order to encourage active participation, the students were given a quiz on knowledge of gunpowder. As well, the students tried their hand at creating fizzing tablets as bath bombs resembling gas forming agents manufactured at the Himeji Plant, which aimed to spur interest in chemistry and manufacturing.

The children not only viewed the production line but also observed instantly inflating air bags up close, which is not something that can normally be experienced.



Event-based Educational CSR

Asa Plant

Science Expo hosted by the City of Sanyo-Onoda "Make Your Own Original Piece of Stained Glass" Event for Elementary and Junior High School Students

Asa Plant has participated in the annual Science Expo hosted by the City of Sanyo-Onoda. They had fun with light variations and made an original piece of stained glass based on the theme, "Let's play with light on a magic board!" which lets them experience the wonders of light using polarizing plates.



Kashima Plant

Customer living expo as Kamisu Festa hosted by the City of Kamisu in Ibaraki Prefecture Experience-based Event for Elementary School Students

Kashima Plant and Agrochemicals research laboratories participate in Customer living expo as Kamisu Festa hosted by the City of Kamisu in Ibaraki every year in October with the goal of giving back to the local community by conveying and fostering interest in science and chemistry among youth.

The Nippon Kayaku booth hosted a hands-on event called "Let's play by making bead-like capsules," which utilizes the technology and products of Kashima Plant and the Agrochemicals Laboratories. Students took part in the simple chemical experiment of creating artificial salmon roe.



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 Tokyo's Kita Ward Nadeshiko Elementary School on August 24, 2018.



Members from all research laboratories as well as Tokyo R&D Administration Office worked together in hosting an experiment using polarizing plates.

The children were fascinated to see that polarizing plates could make what appeared to be a wall in an empty space. They also got an explanation of how this happens, so that they could better understand the concept.

Going forward the Tokyo Business Office will continue to host events such as this for students to engage their interest in chemistry while learning more about Nippon Kayaku.

Tokyo R&D Administration Office Head office

Hosted by 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 between August 4 and 5 at the Science Museum (Kudanshita, Tokyo) and more than 200 children took part.

The show's theme was, "You too can be a magician, using a magic cylinder made from a polarizing plate!" and the children did crafts and were shown how to do magic tricks using polarizing plates. Nippon Kayaku staff members demonstrated a magic trick in which the power of a polarizing plate was used to penetrate a black wall. Then, they had the children actually make a black wall (cylinder) with a polarizing plate and let them play around passing straws and balls through it. They let out a big cheer when the black wall was finished.



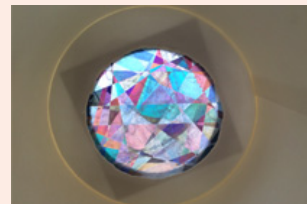
Polatechno Co., Ltd

Joetsu Science Museum in Joetsu City, Niigata Prefecture

Held a science class using polarizing film

The Joetsu Science Museum in Joetsu City, Niigata Prefecture, where Polatechno Co., Ltd. is located, is hosting an exhibit where patrons can experience and enjoy the themes of human science and the science of snow through nine zones involving seeing, touching and checking.

During this event, Polatechno provided polarizing film so children could enjoy science handicrafts at its paper cup kaleidoscope booth as part of the Science Plaza held in May 2016.



KSM

Continuing educational support at KSM

KSM* values the welfare of its employees, so it started up an educational assistance program for employees' children.

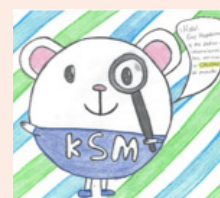
The program was begun to increase children's motivation to continue their studies. The first initiative, in 2014, was to provide stationery for school use to employees' children (those with grades of 8.0 and higher).

In fiscal 2018, the program gave assistance to 26 children (of 26 employees) by providing them with the school supplies that they would need the following school year. They colored a picture of Kayakuma the Bear after hearing from the KSM staff person and their parents about the high-quality safety activities that Kayakuma is involved in.

* KSM is a group company in Mexico that manufactures automotive safety components.



Children and their families



Initiatives in Local Communities

The Nippon Kayaku Group strives to foster understanding in its business activities among local residents through plant festivals, opening its sites to the public, cleanup activities and round-table talks.

Going forward, we will organize various platforms to proactively engage with the local residents as part of our goal of becoming a company that is closely rooted in the local community.

Nippon Kayaku's Agreements with Local Authorities

Business Site	Agreement	Local Authority
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 Business Office	Provision of fire fighting facilities 1. Provision of water for firefighting 2. Deployment of a boat for rescues 3. Fire fighting group cooperation site 4. Use of rooftop as a lookout	Tokyo Fire Department Akabane Fire Station
Takasaki Plant	Agreement on assistance from voluntary fire fighting brigade	Regional fire departments including Takasaki City
Himeji Plant	Memorandum on effluent control	Himeji City
Kashima Plant	Agreement on environmental pollution control	Ibaraki Prefecture, Kashima City, Kamisu City

Interaction with local communities (2018th) and Activity examples

Exchange results

Business site	Social gathering with community	Education and traffic safety education	Donation / Sponsorship / Contribution(service) to society	Health*	Cleaning	Open of facility
Head Office		2	6	2		
Fukuyama Plant	5	3	5	1	1	3
Asa Plant	1	1	12	2	1	1
Tokyo Plant	0	1	3	1	1	1
Takasaki Plant	2	3	6	2	1	3
Himeji Plant	2	1	1	1	1	1
Kashima Plant	2	1	1	1	2	
Tokyo R&D Administration Office	2	3	5	1	2	1

Business site	Social gathering with community	Education and traffic safety education	Donation / Sponsorship / Contribution(service) to society	Health*	Cleaning	Open of facility
POLATECHNO CO., LTD.	5	1	1		1	
Moxtek, Inc.		1	2			
Wuxi Polatechno Optics Co., Ltd.			5	1		1
Dejima Tech B.V.			2			
NIKKA FINE TECHNO CO., LTD.			1			
Euro NIPPON Kayaku GMBH			1			
KAYAKU CHEMICAL (WUXI) CO., Ltd.			5			
MicroChem Corp.			5			
Wuxi Advanced Kayaku Chemical Co., Ltd.			5	1		
Shanghai KAYAKU International Trading Co., Ltd.			1			
NIPPON KAYAKU FOOD TECHNO CO., LTD.			5			
Taiwan NJC Corp.			4			
Kayaku Safety Systems Europe a.s.		5	31	1		
Kayaku Safety Systems (Huzhou) Co., Ltd.		1	2			
Kayaku Safety Systems De Mexico S.A. de C.V.	1	1	9	1		1
Kayaku Safety Systems Malaysia Sdn. Bhd.			2			
NAC Co., Ltd.		1	1		1	
Nishiminato Driving School Co.,Ltd.		1				
Okiura Golf Center Co., Ltd.			4			
Kowa Sangyo Co., Ltd.			1			
Gunnan Sangyo Co., Ltd.			3			
Kayaku Japan Co., Ltd.	1	5	3		1	1
Sanko Kagaku Kogyo Co.,Ltd.	8		7		3	
KAYAKU AKZO CORPORATION	1		1			

* Healthcare includes blood donations, the Pink Ribbon Campaign, and so on

■ Piece of our activities

Click below tabs to see the detail

■Nippon Kayaku

Fukuyama Plant Opening up tennis courts to the public ▼

Tokyo Plante Hosting internships for High School Students ▼

Fukuyama Plant Internships ▼

Takasaki Plant and Gunnan Sangyo Co., Ltd. ▼

■Group companies

Polatechno Co., Ltd. Wrap Advertising on a Train ▼

Kayaku Safety Systems Europe a.s. (KSE) Safety Days ▼

Nikka Fine Techno Co., Ltd.
Activities to deepen interaction with the local community ▼

Kowa Sangyou Co., Ltd.
Supporting activities of local fire company ▼