



## **Sony Creative Science Award Turns Ideas into Inventions in the 26th Edition of the Toy-Making Challenge**

*This year's winners also included two recipients of the brand-new Sustainability Award, aimed at encouraging eco-awareness through creative play.*

**Singapore, 9 November 2023** - Sony Creative Science Award (SCSA), the nation's largest annual toy-making competition, today commemorated its 26th year of empowering Science, Technology, Engineering and Mathematics (STEM) exploration through the art of toy-making. Jointly organised by the Science Centre Singapore and the Sony Group of Companies in Singapore, with the support of the Ministry of Education, this year's edition saw over 3,500 submissions from close to 5,000 primary school students across the country.

Of 3,500 submissions, 32 students between the ages of six and 12 were awarded today for their outstanding submissions across two categories - Junior WhizKid for lower primary students, and WhizKid for upper primary students. The creations were assessed on a number of criteria, including the implementation of scientific principles, design and conceptualisation, contribution to the toy-making process, and level of active participation. Commendation and Merit awards were also presented to these students, for toys demonstrating exceptional standard, such as a clear educational or engineering grasp.

The latest addition to these awards is the introduction of the Sustainability Award, specifically for students in the WhizKid category. This accolade aims to honour projects that utilise either recyclable materials or renewable energy sources such as solar or wind power. The goal is to instil an eco-conscious mindset by fostering creativity and play among the participants.

Associate Professor Lim Tit Meng, Chief Executive of Science Centre Board, said, "Each year, we are pleasantly surprised by the toys submitted. They are not only creative and innovative, but also reflective of the world's current issues that the children would like to solve, despite their age. This speaks volumes on the inventive spirit that we continue to witness at every run of the competition, and we are honoured to be involved in another successful iteration of this meaningful initiative."

Mr Takakiyo Fujita, Managing Director, Sony Electronics Asia Pacific and Sony Electronics (Singapore), said, "Sony is guided by our company purpose to fill the world with emotion, through the power of creativity and technology. As we continue to innovate and make technological advancements in products, sensors, AI, and other areas, we aim to inspire and deliver new experiences and emotion to people, such as our young SCSA talents, who represent our next generation."



In addition to students, 64 teachers were also awarded the Blue Ribbon and Diamond Award, in gratitude of the indelible impact they have made in nurturing the young toymakers, as well as promoting SCSA in their schools.

For more information on SCSA 2023, please view the appendix below or visit <https://www.science.edu.sg/for-schools/competitions/sony-creative-science-award>.

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**About Science Centre Singapore**

Science Centre Singapore, a non-formal educational institution and leading regional Science Centre, along with its group of attractions, brings out the wonders of science, technology, engineering and mathematics through its unique blend of exhibitions, educational programmes and events. A custodian of creativity and innovation, Science Centre Singapore has captured the evolution of scientific developments for nearly four decades.

The Centre and its partners have played a pivotal role in transforming the way students and the public interact with and learn about science, technology, engineering and mathematics. Since 1977, the Centre has welcomed over 30 million visitors and inspired them with more than 1,000 exhibits spread across 14 exhibition galleries and outdoor exhibition spaces.

The Centre's group of attractions include Omni-Theatre, Snow City and KidsSTOP™. The Omni-Theatre is an immersive dual-technology edutainment destination fitted with Southeast Asia's largest seamless dome screen and featuring the latest and brightest 8k digital full dome system in the world. Snow City is Singapore's only permanent indoor snow centre offering an Arctic inspired experience at Singapore's first ice gallery and snow chamber. KidsSTOP™ - Where every child gets to Imagine, Experience, Discover and Dream - is Singapore's first children's science centre offering an enriching experience through purposeful play for children aged 18 months to 8 years old. For more information, please visit [www.science.edu.sg](http://www.science.edu.sg).



## **About Sony**

Sony Corporation is a wholly owned subsidiary of Sony Group Corporation and is responsible for the Entertainment, Technology & Services (ET&S) business. With the vision of "continuing to deliver Kando and Anshin(\*) to people and society across the world through the pursuit of technology and new challenges," Sony Corporation supports the Sony Group with technology to create the entertainment of the future together with creators.

Since establishing its presence in Singapore in 1973, Sony has grown steadily over the years to become a leader in the electronics market. Guided by our company's purpose to "fill the world with emotion through the power of creativity and technology". we are strongly committed to enhancing operations and contributing to the local economy and community. For more information on Sony's products and services, please visit [www.sony.com.sg](http://www.sony.com.sg).

*\* Both Japanese words, Kando means emotion and Anshin has various meanings such as peace of mind, reassurance, reliability and trust.*



## APPENDIX

### **About Sony Creative Science Award (SCSA)**

Started in 1998, the Sony Creative Science Award (SCSA) aims to develop and promote interest as well as creativity in science among primary school students in Singapore. It also provides an opportunity to learn science beyond the classrooms, in a fun and enjoyable way.

In this competition, primary school students are invited to use their imagination and creativity to make toys that demonstrate scientific principles. Workshops covering communications, creativity and hands on sessions for both students and teachers are also provided as part of the SCSA programme.

Since its inception, close to 85,000 toys have been submitted, making this competition the largest toy making competition in Singapore. SCSA is jointly organised by Science Centre Singapore and Sony Group of Companies in Singapore, with support from the Ministry of Education.

### **Award Categories**

#### **Junior WhizKid Category – Primary 1 & 2**

In this category, Primary 1 & 2 participants must incorporate elements of “Rock-roll-wobble”. The awards for this category are as follows:

- Commendation Award - Sony product voucher worth S\$150 each
- Merit Award - Sony product voucher worth S\$100 each

#### **WhizKid Category – Primary 3 to 6**

In this category, Primary 3 to 6 participants can submit any toy creation that demonstrates scientific concepts creatively and submit a journal of the toy-making process together with the toy. The awards for this category are as follows:

- First Prize - Sony product voucher worth S\$1,000
- Second Prize - Sony product voucher worth S\$600
- Third Prize - Sony product voucher worth S\$300
- Commendation Award - Sony product voucher worth S\$150 each
- Merit Award - Sony product voucher worth S\$100 each
- Sustainability Award - Sony product voucher worth up to S\$300

### **2023 Panel of Judges**

<b>Dr Fannon Lim</b>	Deputy Director, Industry Development Office Singapore Institute of Manufacturing Technology (SIMTech), A*STAR Chairman, Sony Creative Science Award 2023 Organising Committee
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<b>Dr Chew Soon Hoe</b>	Assistant Professor, Department of Civil and Environmental Engineering Director, Safety Studies Initiative (SS), National University of Singapore
<b>Dr Wee Keng Hoong</b>	Distinguished Member of Technical Staff, DSO National Laboratories
<b>Dr Lee Song Choon</b>	Director, Events & Engagement and KidsSTOP™, Science Centre Board
<b>Mrs Ong Me Lan</b>	Director, STEM Inc, Science Centre Board
<b>Ms Reena Devi</b>	Curriculum Resource Development Officer Curriculum Planning and Development Division, Ministry of Education
<b>Mr Ivan Ng</b>	Senior Curriculum Resource Development Officer Curriculum Planning and Development Division, Ministry of Education
<b>Ms Audrey Mok</b>	General Manager & Head, Corporate Communications Sony Electronics Asia Pacific
<b>Mr Jun Katsumata</b>	Producer, Design Centre Asia Sony Electronics Asia Pacific

### **List of Winners**

*Junior WhizKid Category – Primary 1 & 2*

Total of 12 Winners

Name	Invention	School	Level	Award
Evangeline Lim Xuan En	Germey Mayhem	CHIJ (Kellock)	P2	Commendation
Vaishnavi Reddy Challa	Wobbly Olaf	DPS International School	P1	Commendation
Arnav Annamalai	Mag Fun	DPS International School	P2	Merit
Aadhya Bhardwaj	Rock and Roll Boat	DPS International School	P1	Merit
Swara Chandrashekhar Dhande	Wobbly See Saw	GIG International School	P1	Merit



Vivaan Vijay	Marble Race Toy	GIIS SMART Campus - Punggol	P1	Merit
Zahra Haliru	Rocky Maze	Pasir Ris Primary School	P1	Commendation
Liong Ruo Yi, Russell	Cyclone Octopus needs to breathe	Pasir Ris Primary School	P2	Merit
Liong Ruo Xuan, Rozanne	Ms Anne the Hawaiian Dancer	Pasir Ris Primary School	P2	Merit
Ahavah Anna Das	A Healthy Balance	Pei Chun Public School	P2	Merit
Lau Xuan Zhi, Elijah	Wobbly Train	St. Andrew's Junior School	P2	Merit
Wong Sing Yan, Xanthea	Gem Discovery	Yumin Primary School	P1	Commendation

### WhizKid Category – Primary 3 - 6

Total of 16 Winners

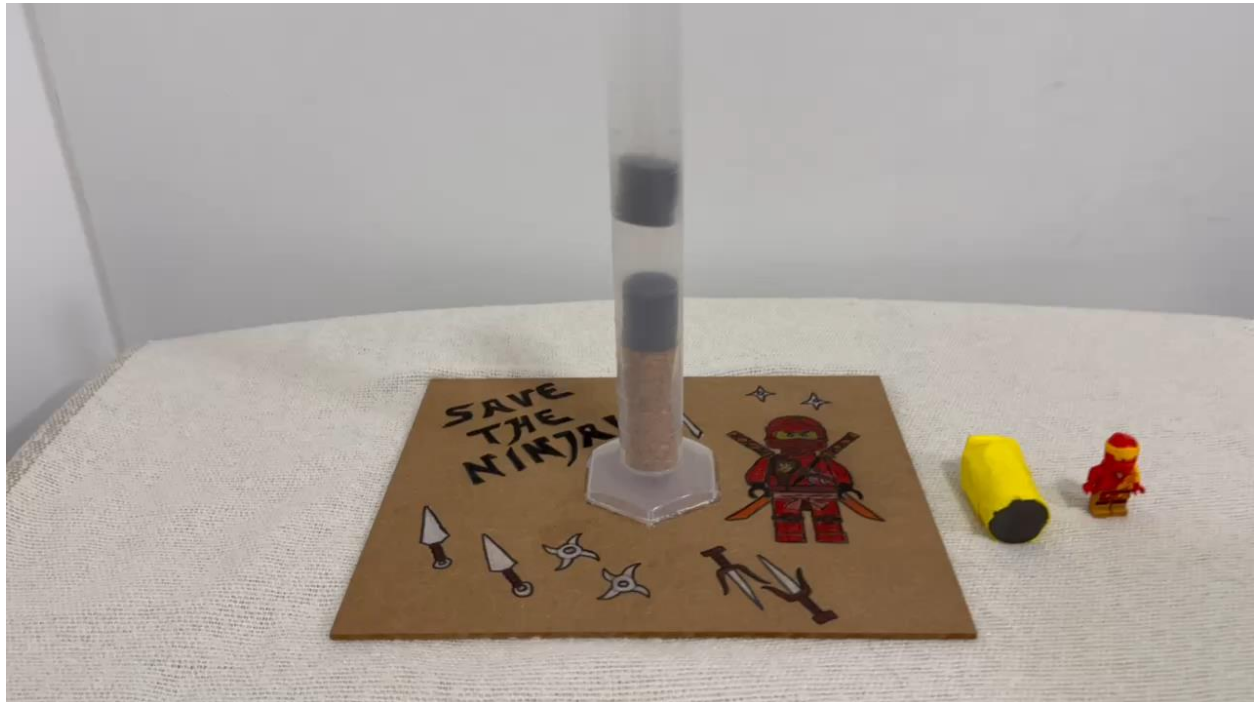
Name	Invention	School	Level	Award
Riz Eshan Bin Muhammad Rizal	Save the Ninja	Changkat Primary School	P5	First Prize
Poh Wen Rui, Poh Wen Yue	Virus Blaster	Cedar Primary School	P5, P6	Second Prize
Yung Sherene	The North and South Pole Magnet Game	Opera Estate Primary School	P4	Third Prize
Isaac Woon Xin Wei, Shao Jianan	Eco Reflectors	Boon Lay Garden Primary School	P6	Commendation
Xie Jun Yi, Owen Chong Wei Kang	Catapult Battle	Farrer Park Primary School	P4	Commendation
Renee Lai	Colour Chase	Haig Girls' School	P4	Commendation
Myat Noe Thi Han	Steering Wheel Marble	Angsana Primary School	P6	Merit
Dai An Xin Ashley	Jumbo Drum	Cedar Primary School	P3	Merit
Zahwa Binte Kamaruzaman	A-MAZE	St. Hilda's Primary School	P5	Merit



Praveen Sahayaraja Joel Prajen	Magic Spinning Wheel	Kindle Kids International School, Singapore	P5	Merit
Varad Ganesh Sanap	Mission Lunar	Kindle Kids International School, Singapore	P4	Merit
Ruhi Srivastava	Magball	Opera Estate Primary School	P5	Merit
Chow Jing En	Basketball Lighting Shoot	Yew Tee Primary School	P4	Merit
Chan Xin Yi, Sera	The LED Jigsaw	Nanyang Primary School	P4	Merit
Pradyumna Bhat	Eco Maze Runner	DPS International School	P6	Sustainability Merit
Noah Joseph Das, Shanah Lucy Das	The Green Maze	Pei Chun Public School	P4, P6	Sustainability Commendation

### Description of Top Three WhizKid Inventions

**First Prize Winner:** Riz Eshan Bin Muhammad Rizal  
**Invention:** Save the Ninja  
**School:** CHANGKAT PRIMARY SCHOOL



Save the Ninja is a toy that operates on the concept of magnet repulsion. By utilising magnets inside a tube, its objective is to save the Ninja Lego Minifigure out by leveraging the repulsive forces between the magnets. This demonstrates the principle of magnetic repulsion, where like poles (in this case, magnets with the same polarity) repel each other. This game allows users to explore the concept of magnetism, and how manipulating the position and orientation of the magnets affects their interactions and the movement of the Lego Minifigure within the tube.



**Second Prize Winner:** Poh Wen Rui, Poh Wen Yue  
**Invention:** Virus Blaster  
**School:** Cedar Primary School



The P5 and P6 sibling duo created the Virus Blaster, a game that puts your aiming skills to the test, while demonstrating the principle of energy conversion. The potential energy of the batteries is converted to the wheel's kinetic energy, which will then push the ping-pong ball out of the toy. The toy was inspired by Wen Rui's ping-pong ball shooter, which he had designed for his school's sports carnival.

**Third Prize Winner:**

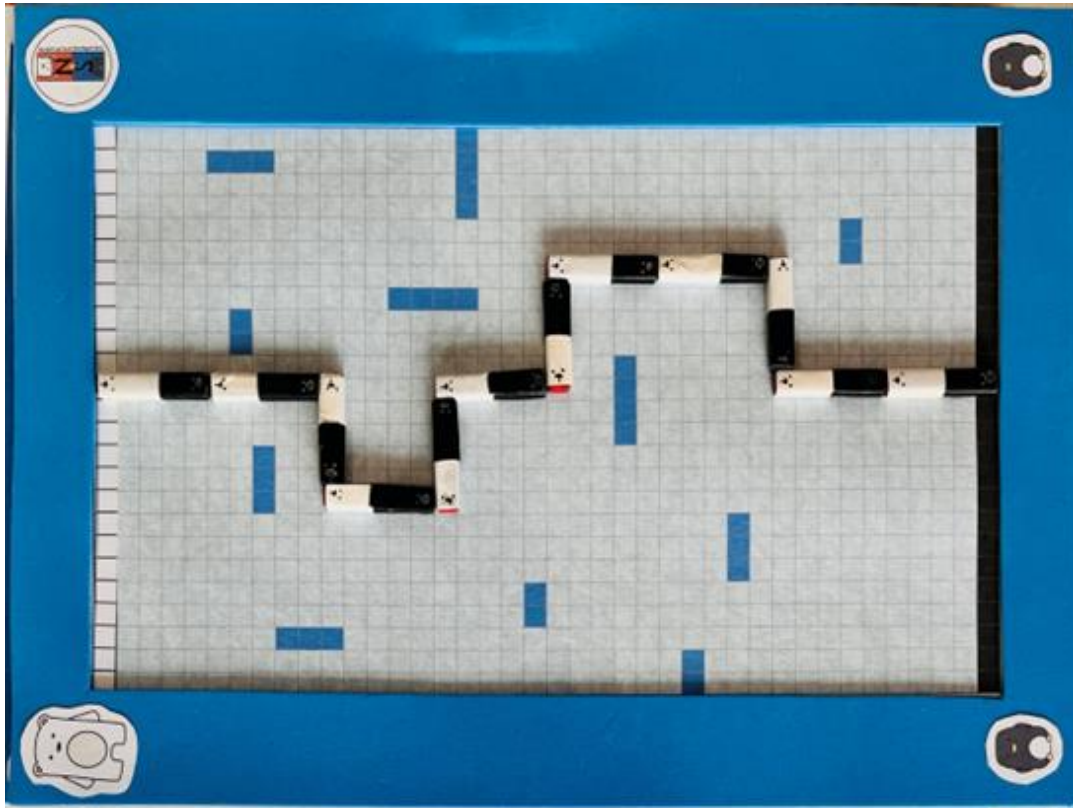
Sherene Yung

**Invention:**

The North and South Pole Magnet Game

**School:**

OPERA ESTATE PRIMARY SCHOOL



Using the concept of magnet repulsion, this game plays on the “N” and “S” poles of bar magnets on a game board to form a path from the starting to finishing point. The “N” poles of the magnets are replaced with polar bears (since they live in the north) and penguins (since they live in the south).



## School Awards

Schools with the highest number of shortlisted toys		
Category	School	No. of Toys
Junior WhizKid	DPS International School	3
Junior WhizKid	Pasir Ris Primary School	3
WhizKid	Cedar Primary School	2
WhizKid	Kindle Kids International School, Singapore	2
WhizKid	Opera Estate Primary School	2

Friends of SCSA Award (schools that have consistently organised SCSA (Schools) for three consecutive years)
Anchor Green Primary School
Anglo-Chinese School (Junior)
Canossa Catholic Primary School
Cedar Primary School
Changkat Primary School
CHIJ Katong (Primary)
CHIJ (Kellock)
Chongzheng Primary School
Compassvale Primary School
Dazhong Primary School
De La Salle School
Fuhua Primary School
GIG International School
Global Indian International School SMART Campus - Punggol
Haig Girls' School
Horizon Primary School
Paya Lebar Methodist Girls' School (Primary)
Pei Chun Public School
Raffles Girls' Primary School
Rosyth School
Tanjong Katong Primary School
Woodlands Primary School
Yangzheng Primary School

## Teachers' Awards

Diamond Awards		
No.	School	Recipient
1	CHIJ Katong (Primary)	Ms Tan Chay Tin Jasmine



2	CHIJ Katong (Primary)	Mrs Heeran Soloman
3	Chongzheng Primary School	Mr Chan Ng Poh Huat Paul
4	Kong Hwa Primary School	Mdm Sharifah Warda
5	GIG International School	Mrs Swati Kolachina
6	Anchor Green Primary School	Mdm Ho Le Lian
7	Anchor Green Primary School	Mr Mohamed Insani
8	CHIJ (Kellock)	Ms Amirinazeb Aurangzeb
9	Pei Chun Public School	Ms Kan Chia-yu

### Blue Ribbon Awards

No.	School	Recipient
1	Anchor Green Primary School	Ms Loy Qiu Yi
2	Bukit Panjang Primary School	Mr Lok Chee Weng
3	Cantonment Primary School	Ms Sally Low Mei Yoke
4	CHIJ Katong (Primary)	Ms Poon Mun Ye
5	CHIJ Katong (Primary)	Mr Chin Lip Nyen
6	Concord Primary School	Mdm Mona Lee Aiy Suan
7	GIG International School	Ms Savitha Swaminathan
8	GIG International School	Ms Kaayathiri
9	Global Indian International School - East Coast	Mrs Krishnapriya Chakkanath Panamkety
10	Global Indian International School - East Coast	Mrs Vinita Menezes
11	Global Indian International School SMART Campus - Punggol	Mrs Jubi Bhaskara Kurup
12	Global Indian International School SMART Campus - Punggol	Mrs Neetu Singh
13	Global Indian International School SMART Campus - Punggol	Ms Roshini Sheela Rani
14	Greenridge Primary School	Mdm Vivian Tay Kin Keong

15	Greenridge Primary School	Mdm Poh You Ting
16	Greenridge Primary School	Mdm Rasyidah Abdul Manaf
17	Haig Girls' School	Mrs Vibha Ashok Ghariwala
18	Haig Girls' School	Mrs Mary Shi
19	Horizon Primary School	Mr Chia Der Sheng
20	Jurong Primary School	Mdm Jane Yong
21	Jurong Primary School	Mrs Eunice Chew
22	Kindle Kids International School	Mrs Malathi Shanmugam
23	Kindle Kids International School	Mrs Bensy Denson
24	Kong Hwa Primary	Mr Phoon Kong Meng Larry
25	Nan Hua Primary School	Mrs Chua Fang
26	Nan Hua Primary School	Mr Soh Kah Kiat Aaron
27	Nan Hua Primary School	Mdm Loh Jing Ling
28	North View Primary School	Mdm Darleana Daut
29	North View Primary School	Ms Ting Pey Chei Jasavelle
30	North View Primary School	Mdm Paraathi d/o Pachaimuthu Y
31	North View Primary School	Mdm Nazreen Parveen Bte A A
32	Pei Chun Public School	Mr Cheong Wen San Desmond
33	Pei Chun Public School	Ms Lim Jia Hui Rachel
34	Pei Chun Public School	Ms Lim Li Shan
35	Pei Chun Public School	Mr Tan Zhen Lin
36	Red Swastika school	Mdm Farisya Muhammad Jamal
37	Red Swastika school	Mr Patrick Ang
38	Rosyth School	Mdm Koh Mui Lee Evelyn
39	Rosyth School	Ms Lim Swee Ching
40	Rosyth School	Ms Lim Ming Hui
41	Rosyth School	Mdm Noor Haidah Binte Mohamed Salleh
42	Rulang Primary School	Mdm Lim Hui Qing



43	St. Andrew's Junior School	Mr Chooi Sian Woon Alvin
44	St. Andrew's Junior School	Mr Zahrul Zaiden
45	West Spring Primary School	Mrs Pauline Soh
46	Woodgrove Primary School	Mr Kee Keng Lun Joel
47	Woodgrove Primary School	Ms Tan Lin Mien Elieen
48	Woodgrove Primary School	Mdm Siti Murni Othman
49	Xishan Primary School	Ms P V Kanmani
50	Xishan Primary School	Mr Kum Chee Fai
51	Yew Tee Primary School	Mrs Tay-Woo Hui Lyn Amy
52	Yew Tee Primary School	Mr Wong Wei Xiang Darren
53	Yumin Primary School	Miss Ng Kai Ying Kaitlyn
54	Yumin Primary School	Mdm Cheong Oi Koan
55	Zhenghua Primary School	Mr Fadil Bin Abdul Rahman