



Sony Creative Science Award 2024: 27 Years of Nurturing Young Minds Through Play

With more than 90,000 entries since its inception, this year's competition also celebrates exceptional creativity and innovation with the new Catalyst Award

SINGAPORE, 7TH November 2024 - Sony Creative Science Award (SCSA), the nation's largest toymaking competition, proudly celebrates 27 years of inspiring creativity and innovation in students, empowering the younger generation to unleash their imagination and learn through play beyond the classroom. Jointly organised by Science Centre Singapore and the Sony Group of Companies in Singapore, with the support of the Ministry of Education (MOE), SCSA 2024 saw more than 3,300 submissions from close to 5,000 primary school students across 85 schools island-wide.

At today's ceremony, 32 students were awarded for their outstanding submissions across two categories – Junior WhizKid for lower primary students, and WhizKid for upper primary students. The winning creations were selected based on criteria including the application of scientific principles, innovative design and conceptualization, contributions to the toy-making process, and the degree of active participation. Students with toys demonstrating exceptional qualities, such as a clear educational or engineering grasp were also presented Commendation and Merit awards.

This year, SCSA also introduced the Catalyst Award to recognise projects that show strong creativity and celebrate the young inventors behind them. This accolade aims to highlight that the journey of innovation is just as important as the destination, and that perseverance and passion are qualities young inventors should embrace. SCSA seeks to spark their curiosity, nurture their persistence, and inspire even more students to embark on the exciting adventure of scientific exploration. A total of 24 Catalyst Awards were presented this year.

Associate Professor Lim Tit Meng, Chief Executive of Science Centre Board, said, "Equipping our youth with STEM skills is crucial for a future driven by innovation. SCSA provides a valuable platform for young minds to explore and experiment with STEM, fostering a passion for lifelong learning. Science Centre Singapore is proud to be part of this meaningful initiative which has been running for nearly three decades."

Mr Takakiyo Fujita, Managing Director, Sony Electronics (Singapore), said, "Sony aims to inspire and deliver new experiences to everyone, including our young SCSA talents. We are proud to engage and empower the next generation to dream, explore, and innovate through SCSA and we look forward to our youth creating even greater things in future."



In addition to students, 37 teachers were also awarded the Blue Ribbon and Diamond Award, in celebration of the impact they have made by bringing SCSA to their schools and nurturing young innovators.

For more information on SCSA 2024, 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 fulldome 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.

About Sony Corporation

Sony Corporation is a wholly owned subsidiary of Sony Group Corporation and is responsible for the Entertainment, Technology & Services (ET&S) business. With the mission to "create the future of entertainment through the power of technology together with creators," we aim to continue to deliver Kando* to people around the world.

Since establishing its presence in Singapore in 1973, Sony has grown steadily over the years to become a leader in the electronics market. 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.

*Kando is a Japanese word that roughly translates to the sense of awe and emotion you feel when experiencing something beautiful and amazing for the first time.



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, more than to 90,000 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 had to incorporate “JUMP & SURPRISE” as a functional component (not just decorative) in their creation. 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 submitted any toy creation that demonstrated scientific concepts creatively alongside a journal that documented their toy-making process. 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
- Catalyst Award – Sony product voucher worth S\$50 each

2024 Panel of Judges

Dr Fannon Lim	Deputy Director, Research Development Office Singapore Institute of Manufacturing Technology (SIMTech), A*STAR Chairman, Sony Creative Science Award 2024 Organising Committee
Dr Wee Keng Hoong	Distinguished Member of Technical Staff DSO National Laboratories
Assistant Professor Chew Soon Hoe	Assistant Dean, College of Design and Engineering Deputy Head, Department of Civil and Environmental Engineering National University of Singapore
Ms Audrey Mok	General Manager & Head, Corporate Communications Sony Electronics (Singapore)
Mr Jun Katsumata	Senior Designer, Design Centre Asia Sony Electronics (Singapore)
Mr Ivan Ng	Senior Curriculum Resource Development Officer Curriculum Planning and Development Division Ministry of Education
Ms Grace Chow	Curriculum Resource Development Officer Curriculum Planning and Development Division Ministry of Education
Mrs Ong Me Lan	Advisor, STEM Inc Science Centre Board
Dr Lee Song Choon	Director, Events & Engagement and Schools & Professional Development Science Centre Board

List of Winners

SCSA 2024 Junior WhizKid Winners – Primary 1 & 2

Total of 10 winning projects

Name	Invention	School	Level	Award
Aashini Murugesan	Leaping Rana	DPS International School	P2	Merit

Krish Shrikant Saralay	Magnetic Jumping Frog	DPS International School	P2	Merit
Kayson Quek	Magnetic Green Frog	St. Andrew's Junior School	P2	Merit
Tan Zhi En	Drop Pop Quest	De La Salle School	P2	Merit
Renae Tan Rui Lei	Surprise Cheese	CHIJ (Katong) Primary	P2	Merit
Ilyas Bin Muhammad Khalid	Butterfly Flight Surprise	Dazhong Primary School	P1	Merit
Olivia Toh En Lin	Mario World	Kuo Chuan Presbyterian Primary School	P2	Merit & People's Choice
Sajenthana Methra	Rainbow Maze	Dazhong Primary School	P2	Commendation
Jonathan Winfred Praveen	Jump and Surprise Toy	GIG International School	P2	Commendation
Koen Kim Tae Kyeong	Catch-a-Pong	Rosyth School	P2	Commendation

SCSA 2024 WhizKid Winners – Primary 3 - 6

Total of 18 winning projects

Name	Invention	School	Level	Award
Lee Yee Jai & Teh Haw Cher	Kool Cinema System	Kheng Cheng School	P4	First Prize
Phua Yu Kai	Ball Bounce	Geylang Methodist School (Primary)	P4	Second Prize
Tristan Ren Xuan Yu	Magnetic Fencing	Kong Hwa School	P4	Third Prize
Evangeline Lim Xuan En	Feed My Babies	CHIJ (Kellock)	P3	Commendation
Ashley Shannon McGovern & Ivan Malanin	Call to Arms	Farrer Park Primary School	P4	Commendation
Valerie Foong Jing Lum	Science Mission	Nan Hua Primary School	P5	Commendation & People's Choice
Xu Xingchen	The Light Dancer	Nanyang Primary School	P3	Commendation

Irfan Shibli Bin Shufaat	The Climbing Game	Woodlands Primary School	P5	Commendation
Lin Xinyu	Wonder-Scope	Yumin Primary School	P3	Commendation
Lee Yun Hui Charlotte	Eco Wheel	Bukit Panjang Primary School	P4	Merit
Zhang Yisheng	Gas-Powered Plan Firer (Model X-1)	Cedar Primary School	P4	Merit & Onsite Hands-on Challenge - Good Engineering Award
Audrey Angelie Huang	Super Mario Bros Tablet	Compassvale Primary School	P4	Merit
Aarav Gupta & Aarna Gupta	Light Maze	Kindle Kids International School	P5	Merit
Chang Yi Si Meg	Spinning Ball Shooter	Nanyang Primary School	P4	Merit & Onsite Hands-on Challenge - Longest Distance Award
Chong En Tong Cherlyn	The Magical Spinner	Punggol Cove Primary School	P4	Merit
Akiro Lee Minghui	Shoot It	Rosyth School	P3	Merit
Shasmeen Binte Harith Fadhirlah	The Maze Runner	St. Anthony Canossian Primary	P3	Merit
Jasmyne Simon & Justyn Simon	Shoot Your Target	Rosyth School	P6 & P4	Merit
Justyn Simon	-	Rosyth School	P4	Onsite Hands-on Challenge - Good Engineering Award

Description of Top Three WhizKid Inventions

First Prize Winner: Lee Yee Jaii & Teh Haw Cher
Invention: Kool Cinema System
School: Kheng Cheng School



Kool Cinema System (KCS) is an exciting toy that brings the magic of movie projection into the hands of players. By turning the film spool, different images can be displayed on the white screen, creating a captivating visual experience for players of all ages.

Second Prize Winner: Phua Yu Kai
Invention: Ball Bounce
School: Geylang Methodist School (Primary)



Ball Bounce is built with a lever mechanism that transforms the player's energy into a powerful ball bounce. By pressing and releasing the level, players will send the ball into a bounce. Like the classic carnival game, the height of the ball's bounce will determine the points earned by a player. Each player takes their turn to bounce the ball until they reach 100 points – the fastest wins.

Third Prize Winner:

Tristan Ren Xuan Yu

Invention:

Magnetic Fencing

School:

Kong Hwa School



Magnetic Fencing was inspired by Tristen's love for watching fencing matches during the Olympics. Magnetic control sticks are used to manoeuvre the fighters. An electronic system detects when the sword of a fighter touches the body of its opponent, and this triggers a motor that activates the health bar as well as a buzzer and light bulb.



School Awards

Schools with the highest number of shortlisted toys		
Category	School	Number of toys
Junior WhizKid	Dazhong Primary School	2
Junior WhizKid	DPS International School	2
WhizKid	Nanyang Primary School	2
WhizKid	Rosyth School	2

Friends of SCSA Award (schools that have consistently organised SCSA (Schools) for three consecutive years)

Anchor Green Primary School
Anglo-Chinese School (Primary)
Canossa Catholic Primary School
Cedar Primary School
Changkat Primary School
CHIJ (Katong) Primary
Compassvale Primary School
Dazhong Primary School
De La Salle School
GIG International School
Global Indian International School, Punggol SMART Campus
Haig Girls' School
Horizon Primary School
Paya Lebar Methodist Girls' School (Primary)
Poi Ching School
Raffles Girls' Primary School
Rosyth School
St Andrew's Junior School
Woodlands Primary School

Teachers' Awards

Diamond Awards		
No.	School	Recipient
1.	Concord Primary School	Mdm Mona Lee Aiy Suan
2.	Global Indian International School, East Coast Campus	Mrs Krishna Priya.C.P
3.	One World International School	Ms Kaayathiri
4.	Yumin Primary School	Mdm Cheong Oi Koan
5.	Xishan Primary School	Mr Kum Chee Fai

6.	Xishan Primary School	Ms P V Kanmani
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Blue Ribbon Awards		
No.	School	Recipient
1.	Angsana Primary School	Ms Chung Sin Le
2.	Angsana Primary School	Mr Hasvinnath Pillai Shastri
3.	Angsana Primary School	Mr Chan Ng Poh Huat Paul
4.	Cantonment Primary School	Ms Sally Low Mei Yoke
5.	DPS International School	Ms Payal Sharma
6.	DPS International School	Dr Pretina Anto Louis Lazar
7.	GIG International School	Ms Gayethri Devi
8.	GIG International School	Ms Savitha Swaminathan
9.	GIG International School	Ms Leena Saha
10.	Global Indian International School, Punggol SMART Campus	Mrs Jubi Bhaskara Kurup
11.	Global Indian International School, Punggol SMART Campus	Mrs Krithika Sivaramakrishnan
12.	Global Indian International School, Punggol SMART Campus	Mrs Roshini Sheeta Rani
13.	Greenridge Primary School	Mdm Rasyidah Binte Abdul Manaf
14.	Greenridge Primary School	Mdm Vivian Tay Kin Keong
15.	Greenridge Primary School	Mdm Poh You Ting
16.	Kheng Cheng School	Mr Alvin Puah Beng Siong
17.	Kindle Kids International School	Mrs Bensy Denson
18.	Kindle Kids International School	Mrs Malathi Shanmugam
19.	Montfort Junior School	Mr Charles Lee
20.	One World International School	Mrs Anjali Singh
21.	One World International School	Mrs Reema Malhotra
22.	One World International School	Mrs Shibi Scaria
23.	Paya Lebar Methodist Girls' School (Primary)	Ms Yee Shu En
24.	Rosyth School	Mdm Koh Mui Lee Evelyn
25.	Rosyth School	Mdm Noor Haidah Mohamed Salleh
26.	Rosyth School	Mdm Lim Swee Ching
27.	Rosyth School	Mdm Siti Ramlah Yusuff
28.	Woodgrove Primary School	Mr Kee Keng Lun Joel
29.	Woodgrove Primary School	Ms Tan Lin Mien Eileen
30.	Woodgrove Primary School	Mdm Siti Murni Othman
31.	Woodgrove Primary School	Ms Lee Ying Hui Daphanie