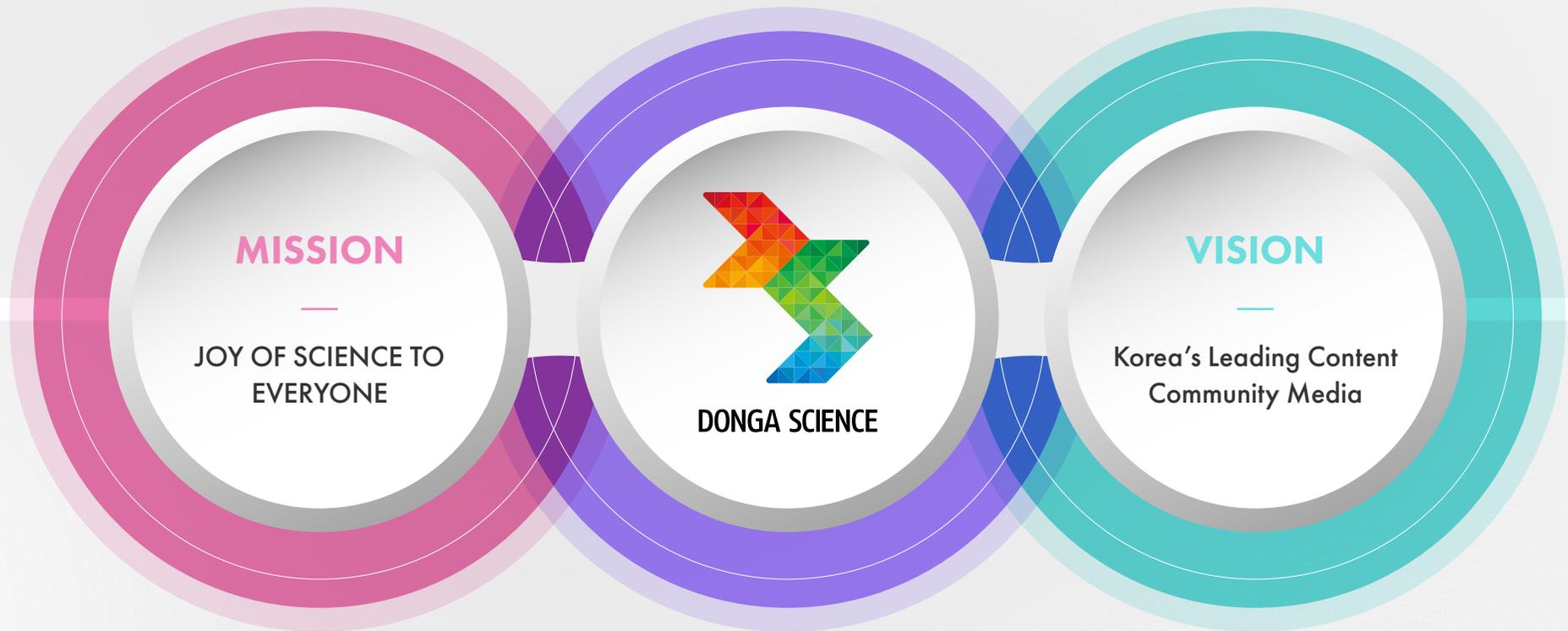


DONGA SCIENCE

J O Y O F S C I E N C E
T O E V E R Y O N E



January

Naver News Content Partnership



February

Our Neighborhood Zoo Guards

May

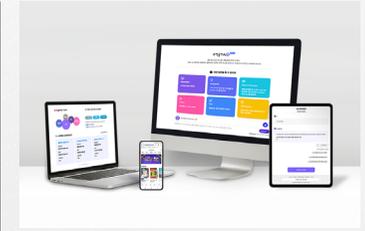
Kids Math Donga begins publication

December

Science Donga named as Best Magazine by Ministry of Culture, Sports, and Tourism in 2021

January

Popcorn Planet Community Launched



April

Science Donga AiR edu — Service Launched

October

Dongascience.com — Global Services Launched

October

Science Donga Books — Launched on Amazon (eBooks and Print)

2018

2019

2021

2022

2023

2024

2025

2026

July

Korea Space forum launched

November

Kids Science Donga & Earth Loving Explorers receives Seoul Metropolitan City Environment Award

December

Science Alive — Hosted



The 1st KSF in 2019

September

Strategic Investment in kokozi Co., Ltd

November

MOU Signed with the Brian Impact Foundation to Promote Citizen Science

April

Rebuilding of the scientific knowledge platform [d Library] opens

April

Launch of the 1st Kids Astronaut Selection Contest

September

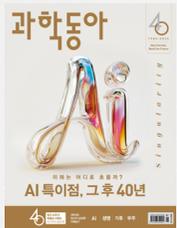
AI Solution for Inquiry-Based Learning [Science Donga AiR]



30 Kids Space Ambassadors

January

Science Donga — 40th Anniversary



March

National Student Science Essay Competition — Hosted

August

Science and Technology Ambassador Program — Implemented

September

Selection and Awards for Role-Model Scientists and Engineers

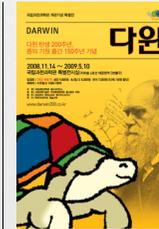
December

Gwacheon National Science Museum — Grand Prize in Exhibition Concept Design



October

Kids Science Donga begins publication



November

Gwacheon National Science Museum — “Darwin” Special Exhibition (Grand Opening Commemoration) Hosted



February

Citizen science project Earth Loving Explorers

November

Donga Science Observatory opened as the only observatory in the city

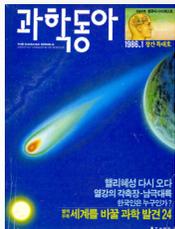
January

Polymath Project — Launched

1986

January

Science Donga begins publication(The DONG-A ILBO)



2000

September

Donga Science Co., Ltd. established

2001

January

Theater-Style Science Lecture — Hosted

2002

December

Children’s Science Play “Einstein’s Wonderland” — Planned and Performed

2003

2006

March

Robot Taekwon V 30th Anniversary Promotion Symposium

November

Donga Science Gifted Education Institute “Genium” — Established

2008

2009

October

Math Donga begins publication



2013

2015

August

Science Vacance — Hosted



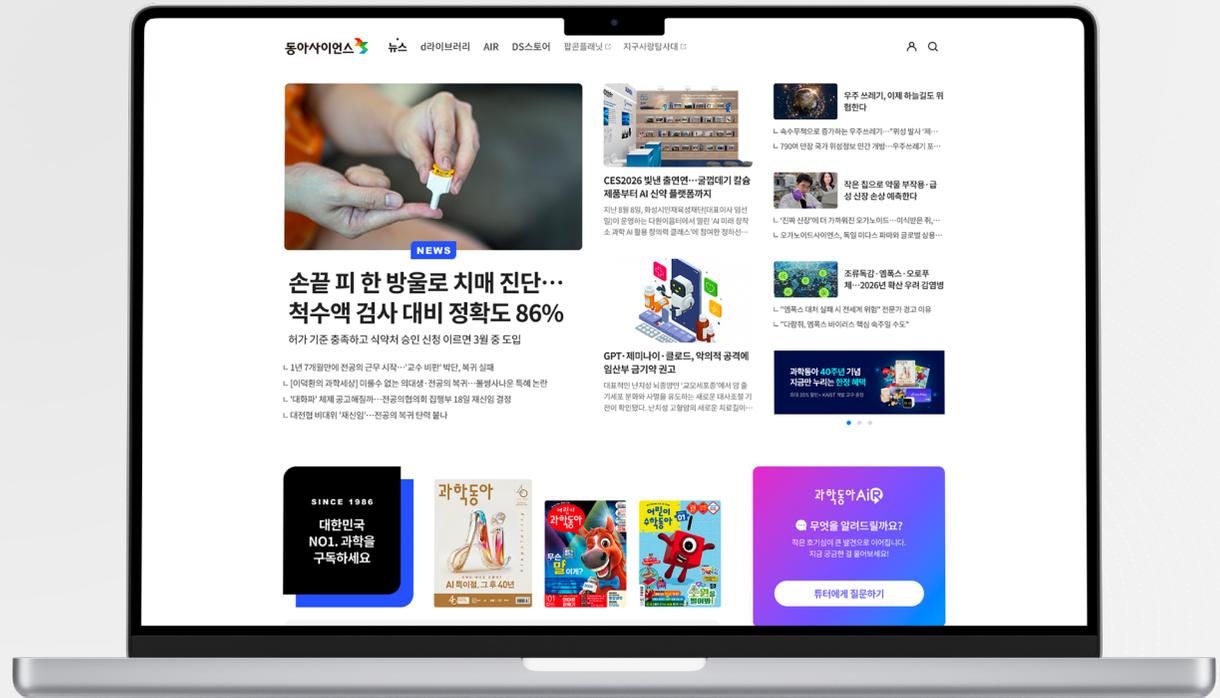
2017

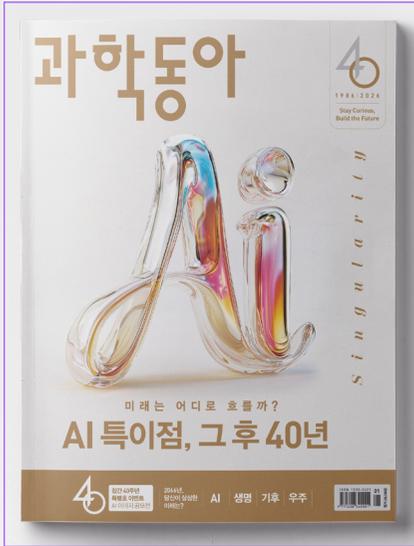


Science Media Connected to Your Life

As Korea's largest science media portal, we deliver daily news, in-depth features, and digital magazines covering the latest developments across the scientific community.

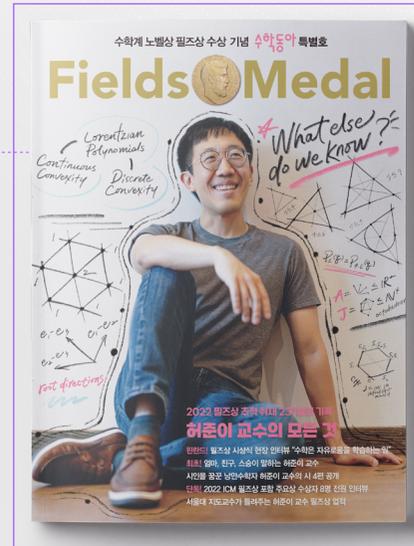
www.dongascience.com





The Joy of Experiencing Science, A Window to the Future

Science Donga (founded in 1986) is Korea's leading science magazine. Our specialist science journalists deliver vivid coverage of the latest domestic and global research and news across the full spectrum of science—from space and biotechnology to artificial



Add Joy, Multiply Creativity

We present content that explores the essence of mathematics at a reader-accessible level, conveying the joy and beauty of math through real-life examples, challenging problems, and its history and people. Math Donga's content is available on d Library.

Funny Science, Smart Comics

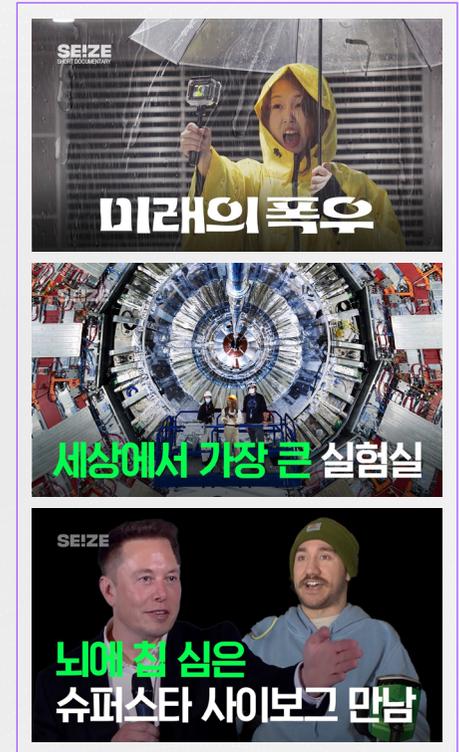
Founded in 2004, Kids Science Donga is Korea's leading children's science magazine. It has twice received the Science Journalism Award from the American Association for the Advancement of Science (AAAS). Through engaging science-learning comics and articles, as well as community programs—including the citizen-science initiative Earth Loving Explorers and Kids Science Donga Press—we provide experiences that inspire children to dream and explore future career paths.



The Most Fun on Earth, The Best Thinking in the Universe

Launched in 2021 and co-created by mathematicians and teachers, it is Korea's only children's mathematics magazine. Through play-based and cross-curricular content, it helps early elementary students experience the joy of mathematics and build reasoning skills.





SEIZE

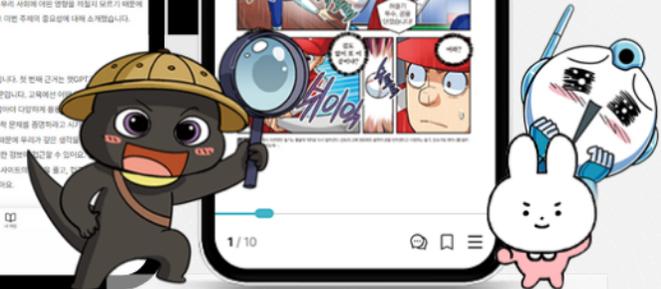
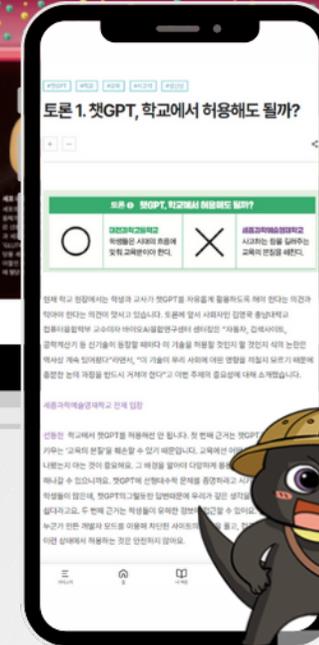
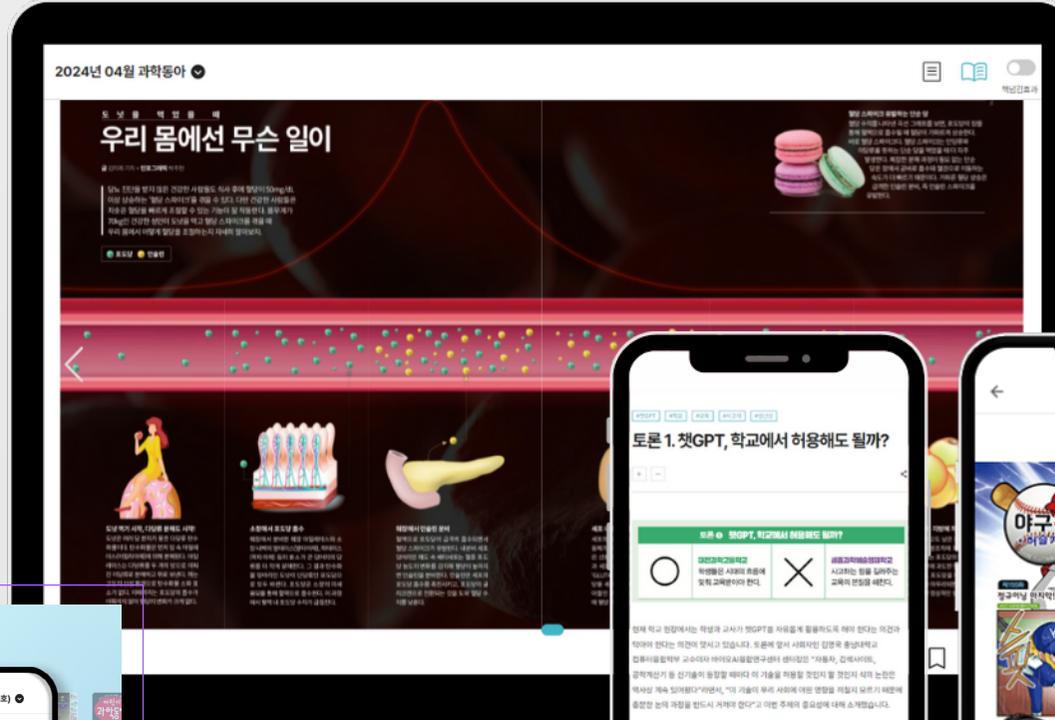
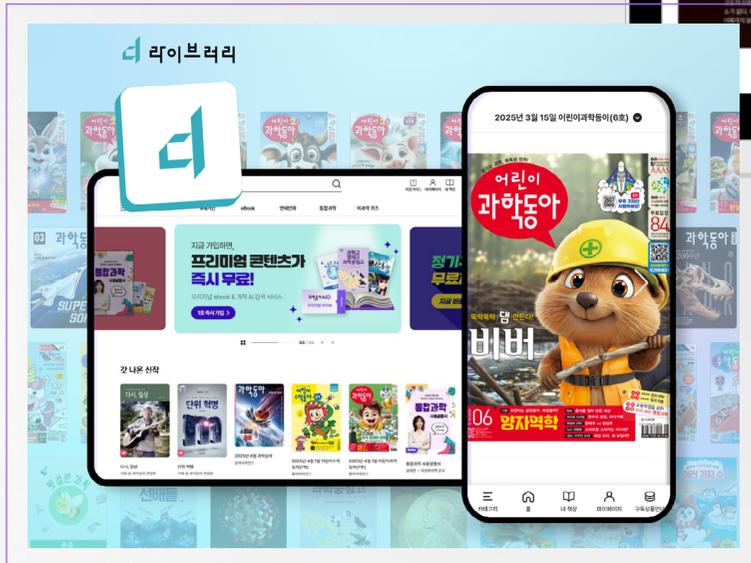
First to See the Future, SEIZE

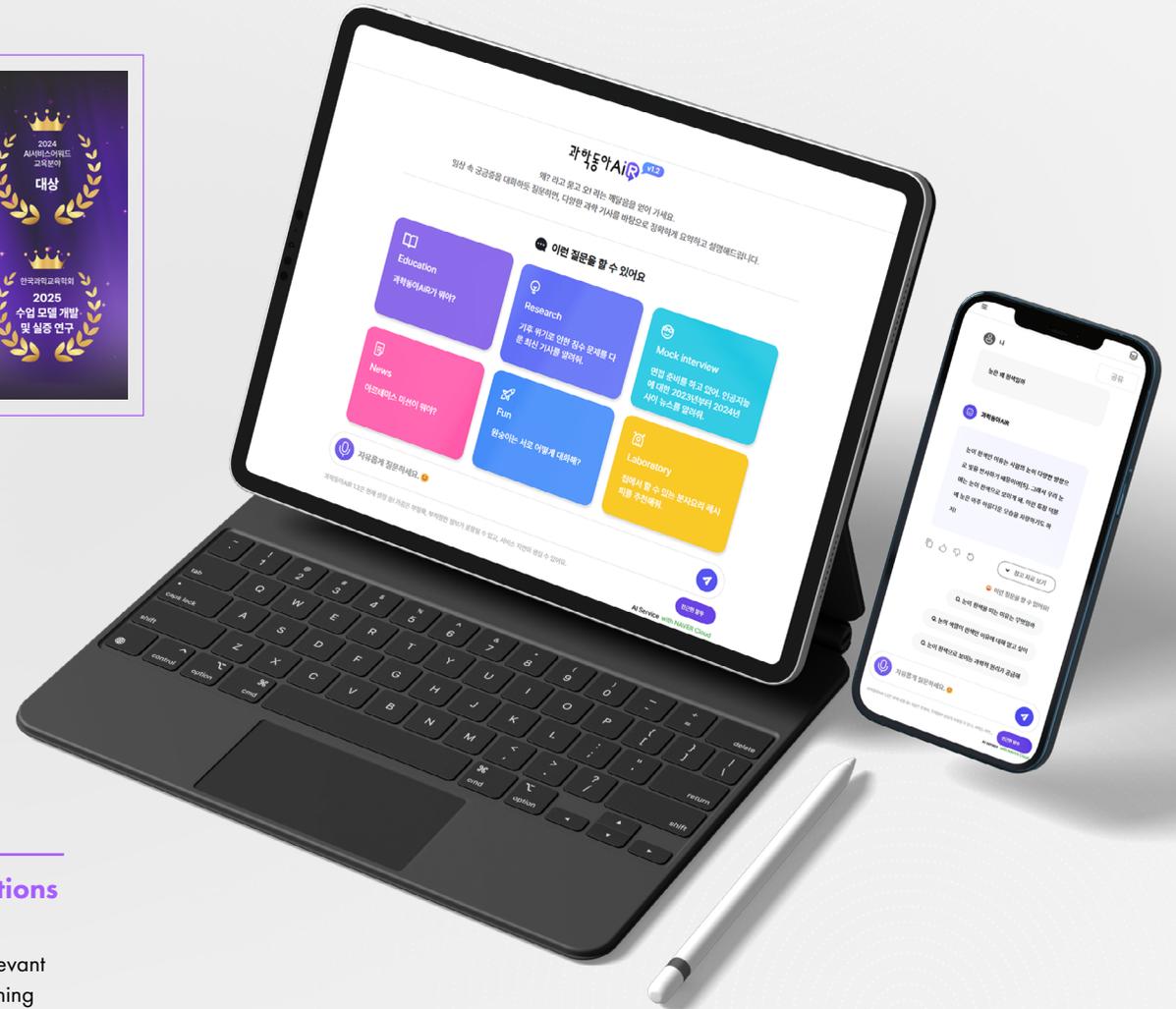
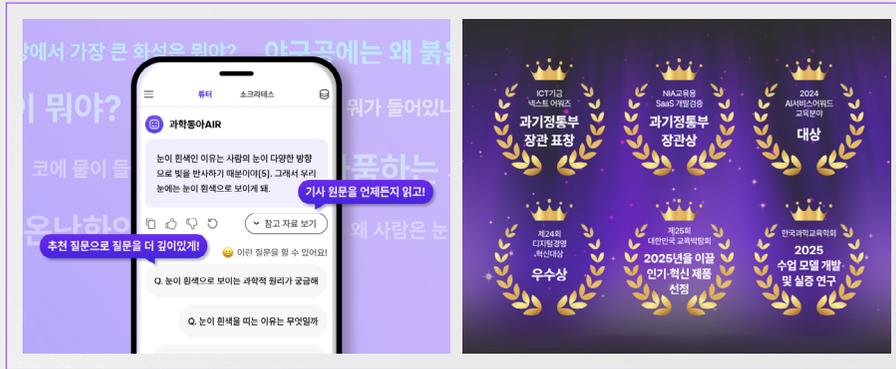
SEIZE is a science-focused video channel delivering stories directly tied to the future of Millennials and Gen Z. You can find SEIZE on Instagram ([@seize.the.future](#)) and on our YouTube channel ([@seize1222](#)).

라이브러리

Science Knowledge Platform for Future Generations

d Library is a science knowledge platform for future generations—helping them start easily with comics and quizzes and deepen their understanding through articles and e-books. From 100,000 science and math articles to 1,200 issues of science and math magazines and 250 e-books, d Library curates an online learning journey where anyone can enjoy science and grow. dl.dongascience.com





과학동아AiR

AI Solution for Inquiry-Based Learning for Future Generations

Science Donga AiR is an AI-powered science inquiry platform built on more than 100,000 pieces of science content. When students ask a question, the AI finds relevant articles and provides summaries and explanations. It supports student-led questioning and investigation, and—based on inquiry reports or personal statements—offers AI mock interviews that assist with career exploration and self-directed learning.

air.dongascience.com

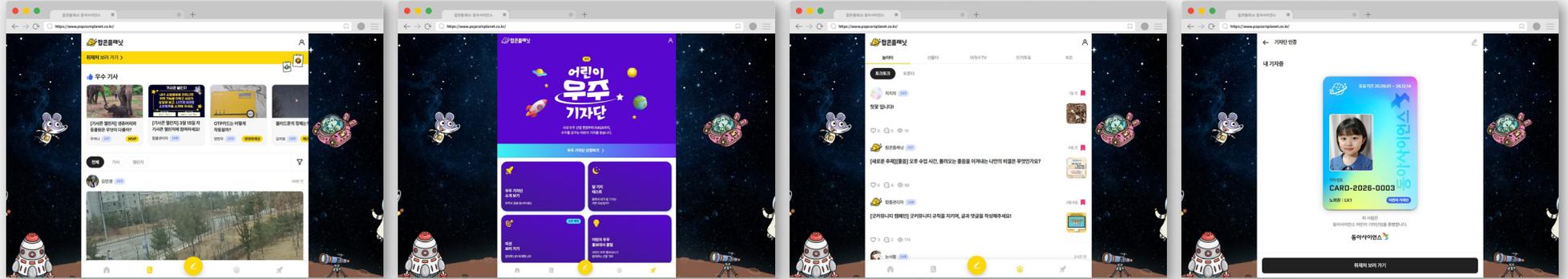


과학동아AiR^{edu}

Science AI That Turns Student Questions into Inquiry

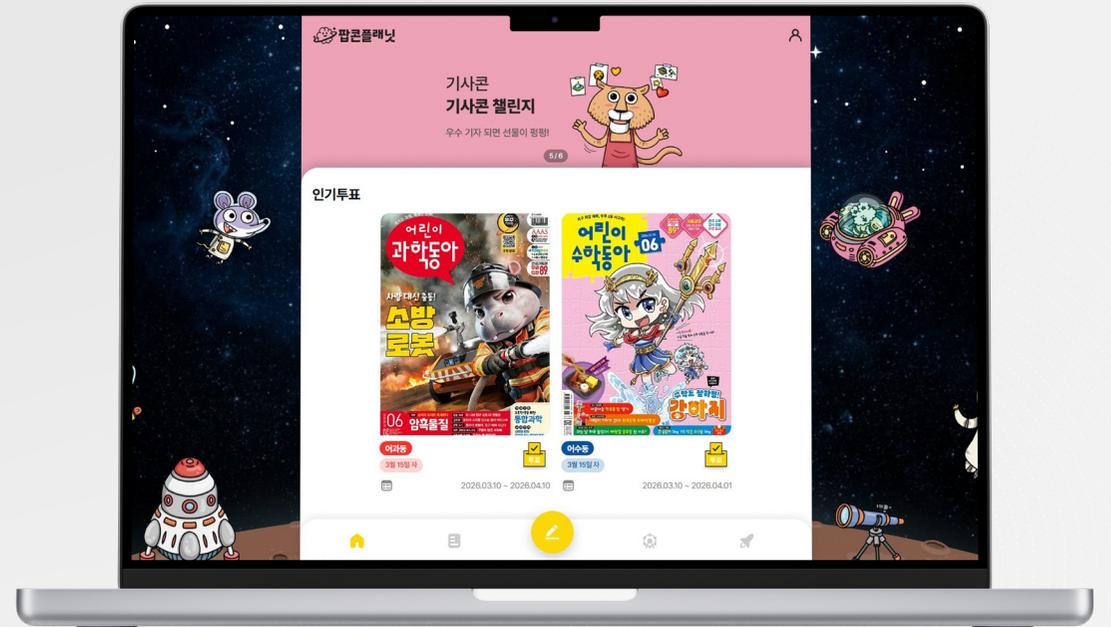
Science Donga AiR edu is an AI-powered science inquiry platform for educational institutions, purpose-built for classroom use as a specialized edition of Science Donga AiR. Students co-create questions and conduct inquiry with AI, while teachers can analyze activities and provide guidance in real time. Beyond regular science classes, it can be used in the Free Semester Program and gifted classes, and it is currently being piloted and deployed across metropolitan and provincial offices of education, schools, and libraries nationwide.

edu.dongascience.com



Popcorn Planet

A science community offering participatory content, including the Kids Science Donga Press program. Readers of Kids Science Donga and Kids Math Donga also enjoy complimentary admission to major science centers and museums nationwide. www.popcornplanet.co.kr

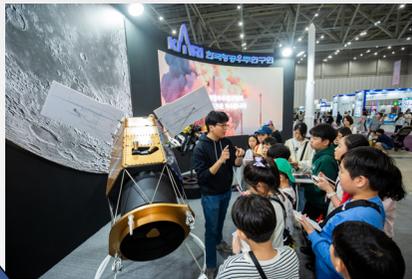




Discovering Life Together, Living in Harmony with Earth

A citizen-science project jointly run by Kids Science Donga and Professor Jang Yikweon of the Department of EcoScience at Ewha Womans University. Working with ecologists, approximately 4,000 participants each year survey and document species nationwide, learn the value of biodiversity, and contribute to scientific research.

jisatam.dongascience.com



Launch Your Dreams into Space

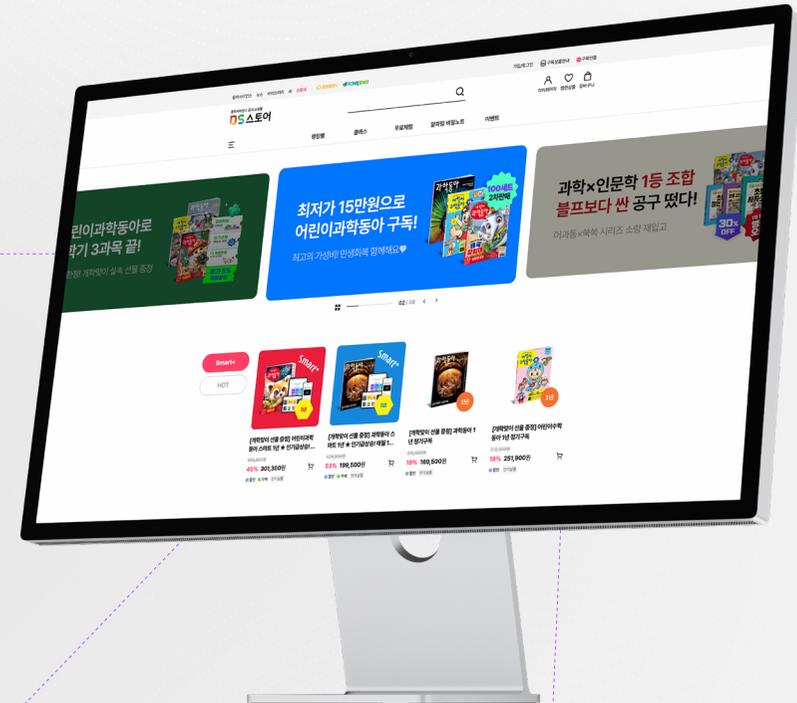
Kids Space Press is a reporters' program for elementary school students who dream of space. Each year, approximately 1,600 children cover research sites at domestic space institutions and companies. Outstanding reporters are appointed Space Ambassadors and may be offered opportunities to visit NASA.



A Knowledge Store Delivering the Joy of Science

DS Store is Donga Science's official online store—a curated marketplace specializing in educational products for science and math enthusiasts. It offers official publications and goods from Science Donga, Kids Science Donga, and Kids Math Donga, along with curriculum-aligned essentials and a wide range of playful, science-themed items. In line with Donga Science's mission—"Joy of Science to Everyone"—DS Store features products that make learning enjoyable, broaden knowledge, and bring the world into the classroom.

dsstore.dongascience.com



What products do you offer?

We primarily offer products related to science and mathematics, complemented by a range of curriculum-aligned materials across all subjects. We currently carry science kits and books, and we are continually expanding into specialized categories—such as the Walking Robot series, subscription-based advanced (gifted) science experiment kits, and global educational kits including Smartivity.

Who are DS Store's customers?

Our primary customers are parents of elementary and middle school students, as well as the students themselves.



SCIENCE CULTURE INITIATIVES



Science Education Partnership for Nurturing Future Talent

We cultivate future-ready talent who, grounded in scientific literacy and knowledge, can solve problems independently and create new value. Through robust partnerships with corporations, NGOs, and public institutions, we develop social-impact solutions that expand access to high-quality learning opportunities for more youth and advance the value of education.

CSR Initiative Branding

- Program design aligned with the latest CSR trends
- Communications amplified through media and platform ecosystems

Education Content Development

- Industry- and institution-linked curriculum development
- Design and production of textbooks, instructional materials, and hands-on kits

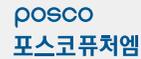
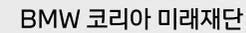
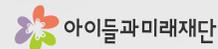
Program Delivery & Operations

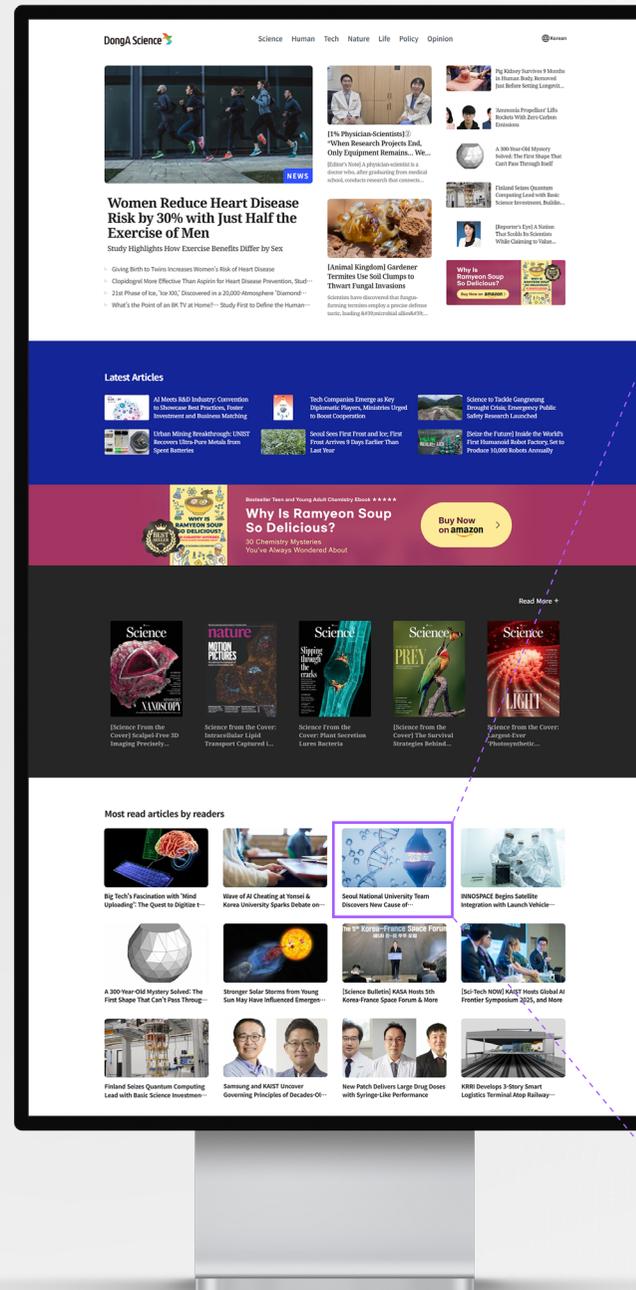
- Program planning and execution by expert teams
- Structured, process-based operational management across all stages
- Vetted roster of qualified instructors and professional authors

Program Areas

- Software & Digital Literacy Education
- STEM Education
- Environmental & ESG Education
- AI Education

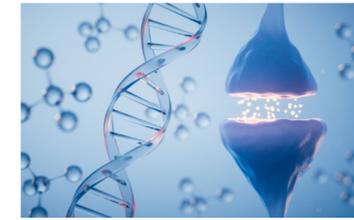
about.dongascience.com/dsedu





Dongascience.com Global Services

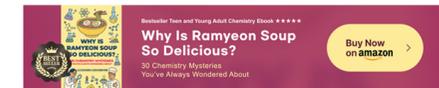
We publish English-language science articles through AI agents that handle automated translation, verification, and optimization for both SEO and GEO targeting. This allows us to deliver accurate and distinctive science news and content from Korea to readers around the world.



A South Korean research team has identified that the deletion of the tumor suppressor candidate gene 'TUSC3' is a cause of developmental disabilities. Provided by Getty Images Bank

A South Korean research team has identified that the deletion of the tumor suppressor candidate gene 'TUSC3' is a factor that causes developmental disabilities. This finding clarifies a new pathogenic mechanism for these disabilities and is expected to provide clues for developing preventative or therapeutic methods.

Seoul National University announced on the 11th that research by Jeong Yong-geun, an emeritus professor at the College of Natural Sciences, and Ph.D. candidate Park Kyung-rin, which identified the cause of TUSC3-deletion developmental disability (intellectual disability) and suggested treatment clues, was published in the international journal 'Nature Communications' on the 7th (local time).



Mutations in the TUSC3 gene have been repeatedly reported in patients with intellectual disabilities. As the function of the TUSC3 gene was largely unknown, the research team initiated a study to determine its role in cell and animal models.

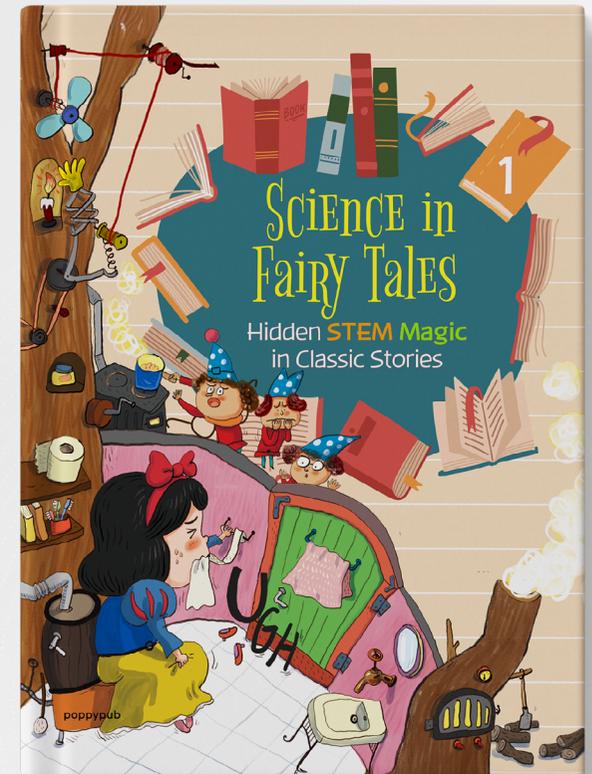
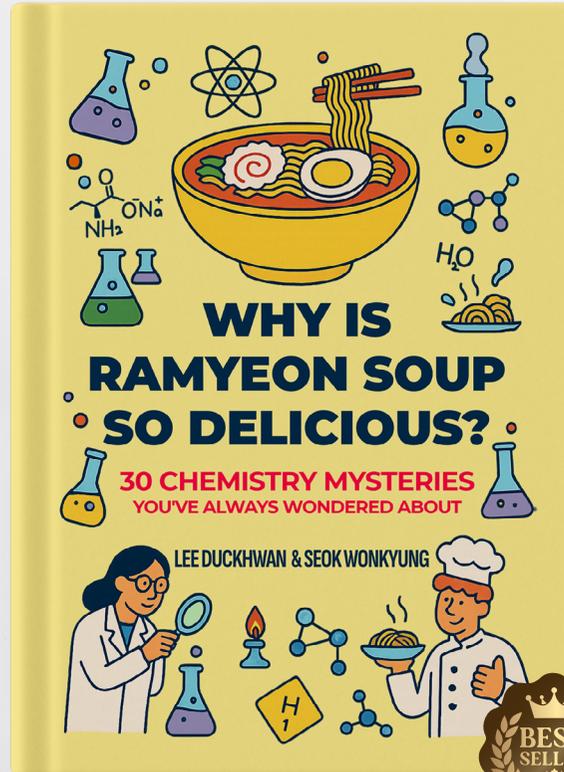
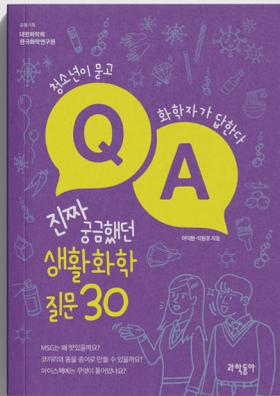
The research team created a TUSC3-deficient animal model and discovered that the deletion of the TUSC3 gene disrupts magnesium homeostasis in the endoplasmic reticulum (ER), leading to ER stress and a reduction in synaptic proteins. The ER is an organelle responsible for protein synthesis and quality control within the cell, playing a key role in maintaining cellular homeostasis. Under stressful conditions, abnormal protein folding can induce ER stress, which can damage neuronal function. ER stress refers to the stress caused by the accumulation of improperly folded proteins due to various internal and external factors.

In the TUSC3-deficient animal model, the team confirmed that TUSC3 interacts with an ER magnesium transporter to regulate magnesium concentration in the ER of neurons. They revealed that the gene's deletion causes hyperactivation of an ER kinase pathway, leading to a decline in neuronal function.

The team also suggested the possibility of treating developmental disabilities by restoring ER magnesium homeostasis. They demonstrated in the animal model that by restoring the magnesium concentration in the ER through magnesium supplementation, ER stress in the TUSC3-deficient model was alleviated, normalizing synaptic function. Consequently, cognitive abilities were significantly recovered.

The research findings are recognized for proposing a new pathological axis of 'ER magnesium deficiency - ER stress - synaptic decline' and for laying the groundwork for developing future treatment strategies for developmental disabilities that regulate ER magnesium homeostasis.

<Reference>
-<https://www.nature.com/articles/s41467-025-65668-1>



Science Donga Books Global Launch

Science Donga Books is releasing English-language titles on Amazon, Google Books, Apple Books, and Barnes & Noble. Leveraging proven K-Science content, we are expanding into the global science education market.



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