

EUROPEAN STUDENT CONFERENCE  
IN MATHEMATICS and SCIENCE



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12 – 16 MARCH

ROME • ITALY

**COMPETITIONS RESULTS**

## MATH-FACTOR - Ages 9-13

Prizes	Title	Student's Name	School's Name
1 <sup>st</sup> Prize	The Bolzano's Theorem: The Art of Balancing Tables	Emmanouil Kontrafouris Pavlos	I.M. Panagiotopoulos School, Greece
1 <sup>st</sup> Prize	Find the Gold!	Dohyeok Kwon	Daegu Dongdo Elementary School, South Korea
2 <sup>nd</sup> Prize	Fan-Tastic Geometry: A Cooling Proof of the Total Sum of Polygon's Internal Angles	Eleni Veroniki Gavriil	I.M. Panagiotopoulos School, Greece
2 <sup>nd</sup> Prize	The Broken Scales	Kyriaki Varianou	Periferiako Gymnasio Xylofagou, Cyprus
2 <sup>nd</sup> Prize	The Pythagorean theorem	Maria Rada	Liceul Teoretic Tudor Arghezi, Romania
2 <sup>nd</sup> Prize	Origami angle trisection	Michail Kallergis	I.M. Panagiotopoulos School, Greece
3 <sup>rd</sup> Prize	Hexagonal Honey Cells	Charis Vasiliou	Xenion High School, Cyprus
3 <sup>rd</sup> Prize	The Leap Year	Stefania Teodora Popescu	Liceul Teoretic Tudor Atghezi, Romania
3 <sup>rd</sup> Prize	Tessellation, complete with pattern	Ji Yul Kim	Daegu Samyook Elementary School, South Korea
3 <sup>rd</sup> Prize	Probabilities and combinatorics	Elena Camelia Dumitrașcu	Liceul Teoretic Tudor Arghezi, Romania
3 <sup>rd</sup> Prize	Math Coach: A Mathematical Approach in Football	Alkinoos Alexopoulos	I.M. Panagiotopoulos School, Greece
3 <sup>rd</sup> Prize	Infinite string of nines	Elena Lara Ruzic	Osnovna škola "Braća Radić" Koprivnica, Croatia

## MATH-FACTOR - Ages 14-18

Prizes	Title	Student's Name	School's Name
1 <sup>st</sup> Prize	Fingermath	Amadea Filipovic	Osnovna škola "Braća Radić" Koprivnica, Croatia
1 <sup>st</sup> Prize	An infinite hotel	Patrik Habek	Osnovna škola "Braća Radić" Koprivnica, Croatia
2 <sup>nd</sup> Prize	Spider webs	Marija Svegovic	Srednja škola Koprivnica, Croatia
2 <sup>nd</sup> Prize	Unlocking probability: the Monty Hall problem explained	Lina Bouzoubaa	Lycée Français Charles Lepierre, Portugal
2 <sup>nd</sup> Prize	Math in pizza	Juraj Ascic	Osnovna škola "Braća Radić" Koprivnica, Croatia
2 <sup>nd</sup> Prize	Symmetry and Asymmetry	Laura Sifkorn	Osnovna škola "Braća Radić" Koprivnica, Croatia
3 <sup>rd</sup> Prize	The perfect shape	Zara Rupicic	Osnovna škola "Braća Radić" Koprivnica, Croatia
3 <sup>rd</sup> Prize	Math in wave motion	Antea Jelovic	Osnovna škola "Braća Radić" Koprivnica, Croatia
3 <sup>rd</sup> Prize	Barbie, my friend	Sirya D'errico	ISIS "Europa", Italy
3 <sup>rd</sup> Prize	Multiplying with the number 11	Una Bebek	Osnovna škola "Braća Radić" Koprivnica, Croatia

### MATH-THEATRE - Ages 9-13

Prizes	School's Name	Title
1 <sup>st</sup> Prize	Gymnasium Anthoupolis, Cyprus	A stranger in NumberLand
1 <sup>st</sup> Prize	Periferiako Gymnasio Xylofagou, Cyprus	The lost stone
2 <sup>nd</sup> Prize	Pagkyprion Gymnasion, Cyprus	The Hendecagon of Savorgnano
2 <sup>nd</sup> Prize	I.M. Panagiotopoulos School, Greece	Dreams of multiplications
3 <sup>rd</sup> Prize	Xenion High School, Cyprus	The missing Spaghets
3 <sup>rd</sup> Prize	I.M. Panagiotopoulos School, Greece	Everything Seems Inscribed in Me
3 <sup>rd</sup> Prize	I.M. Panagiotopoulos School2, Greece	The Irrational Shipwreck

### MATH-THEATRE - Ages 14-18

Prizes	School's Name	Title
1 <sup>st</sup> Prize	Peace and Freedom Secondary School Deryneias – Sotiras, Cyprus	The Will of Uncle George Plani
2 <sup>nd</sup> Prize	The English School Nicosia, Cyprus	The Platonic Collection
2 <sup>nd</sup> Prize	Xenion High School, Cyprus	Monty Hall's Spirits

## MATH – POSTER COMPETITION 2024

Poster No	Prizes	School's Name	Student(s) Name(s)
MP29	1 <sup>st</sup> Prize	The English School, Cyprus	Maria Michael, Anna Rouva
MP24	1 <sup>st</sup> Prize	The Moraitis School, Greece	Argyri Kratsa Valtara
MP27	1 <sup>st</sup> Prize	The English School, Cyprus	Elena Potamiti
MP36	2 <sup>nd</sup> Prize	I.M. Panagiotopoulos School, Greece	Loucas Nikas, Panagiota Mpasanou, Maria Mixalakea, Aggelina Mixalakea, Alkmini Alexopoulos, Elvira Gavriil
MP28	2 <sup>nd</sup> Prize	The English School, Cyprus	Elena Potamiti
MP23	2 <sup>nd</sup> Prize	Solea Gymnasium, Cyprus	Marilia Christodoulou
MP13	2 <sup>nd</sup> Prize	Zanneio Model Lyceum of Piraeus, Greece	Zois Pavlos, Karathanasis Panagiotis, Oikonomidis Iordanis, Mastoropoulos Emonas, Papanikolatos Gerasimos, Papaioannou Komninos, Papaioannou Vaggelis
MP21	2 <sup>nd</sup> Prize	American Academy Larnaca, Cyprus	Lazaros Zeniou
MP25	2 <sup>nd</sup> Prize	The Moraitis School, Greece	Logothetis Pandoulas Papathanasiou
MP30	2 <sup>nd</sup> Prize	The English School, Cyprus	Aglaia Patsalides
MP34	3 <sup>rd</sup> Prize	I.M. Panagiotopoulos School, Greece	Michail Kallergis, Alexandros Koutroumpis, Alkinoos Alexopoulos, Georgia Tsatsaroni, Marilia Kazalaki, Theodora Bintza, Anastasia Bintza
MP8	3 <sup>rd</sup> Prize	125th Secondary School "Boyan Penev", Sofia, Bulgaria	Viktoria Nacheva , Valentin Gadzhelov, Simeon Nikolov, Tzveta Dzhevelekova
MP19	3 <sup>rd</sup> Prize	GC Schools of Careers, Cyprus	Andreas Pantelides, Antonis Dianellos
MP20	3 <sup>rd</sup> Prize	American Academy Larnaca, Cyprus	Myrianthi Savva
MP18	3 <sup>rd</sup> Prize	Xenion High School, Cyprus	Theodosia Loizou
MP22	3 <sup>rd</sup> Prize	Osnovna škola "Braća Radić" Koprivnica, Croatia	Una Bebek
MP26	3 <sup>rd</sup> Prize	Daegu Samyook Elementary School, South Korea	Yi Yul Kim

## MATH-PRESENTATIONS INDIVIDUAL COMPETITION

PRIZES	PRESENTATION TITLE	SCHOOL'S NAME
1 <sup>st</sup> Prize	MATHEMATICS IN RHYTHMIC GYMNASTICS	Med High Private English School, Larnaca, Cyprus
1 <sup>st</sup> Prize	THE P-ADICS NUMBERS: A MATHEMATICAL JOURNEY	Lycée Français Charles Lepierre, Lisboa, Portugal
1 <sup>st</sup> Prize	MATHEMATICS BEHIND REFUSE CLASSIFICATION	The GC School of Careers, Nicosia, Cyprus
1 <sup>st</sup> Prize	NON-EUCLIDEAN GEOMETRY	9-V Class, Ukrainian College No. 272, Kyiv, Ukraine
1 <sup>st</sup> Prize	PASCAL'S TRIANGLE	Pierce- The American College of Greece, Athens, Greece
2 <sup>nd</sup> Prize	UNDERSTANDING WHY YOU ARE A LOSER IN THE STOCK MARKET	The GC School of Careers, Nicosia, Cyprus
2 <sup>nd</sup> Prize	THE MATH BEHIND AI MAGIC	The English School Nicosia, Cyprus
2 <sup>nd</sup> Prize	LIFE IN A BILLIONTH OF A NUTSHELL	The Grammar School, Nicosia, Cyprus
2 <sup>nd</sup> Prize	CUDDLY KILLERS; CAN THE POPULATION OF STRAY CATS INFLUENCE THE ENTIRE ECOSYSTEM?	The Grammar School, Nicosia, Cyprus
2 <sup>nd</sup> Prize	COLOUR THEORY AND MATHS	Med High Private English School, Larnaca, Cyprus
2 <sup>nd</sup> Prize	WHY YOUR FRIENDS ARE MORE POPULAR THAN YOU	American Academy Larnaca, Cyprus
2 <sup>nd</sup> Prize	THE CLEVER OLD MAN AND THE RIVER	The Grammar School, Nicosia, Cyprus
3 <sup>rd</sup> Prize	QUICK MINDSET	125th Secondary School "Boyan Penev", Sofia, Bulgaria
3 <sup>rd</sup> Prize	HOW GAMES CHANGE YOUR LIFE	Med High Private English School, Larnaca, Cyprus
3 <sup>rd</sup> Prize	MATH AND GENETICS	The English School Nicosia, Cyprus
3 <sup>rd</sup> Prize	FRACTALS UNVEILED: NATURE'S HIDDEN PATTERNS AND CHAOTIC SYMMETRY	Pascal Private English School, Nicosia, Cyprus
3 <sup>rd</sup> Prize	WHICH IS THE BEST TEAM IN THE PREMIER LEAGUE?	The English School Nicosia, Cyprus

## MATH-PRESENTATIONS GROUP COMPETITION

PRIZES	PRESENTATION TITLE	SCHOOL'S NAME
1 <sup>st</sup> Prize	PICTURE PROOFS	The English School Nicosia, Cyprus
1 <sup>st</sup> Prize	HOW MATHS IS USED IN COSMETOLOGY	The English School Nicosia, Cyprus
1 <sup>st</sup> Prize	THE UNIVERSAL EQUATION	The English School Nicosia, Cyprus
1 <sup>st</sup> Prize	THE NATURE OF MATHEMATICS	The English School Nicosia, Cyprus
1 <sup>st</sup> Prize	CAN MATHEMATICS WIN AT MAFIA?	The English School Nicosia, Cyprus
1 <sup>st</sup> Prize	FRACTALS	Med High Private English School, Larnaca, Cyprus
2 <sup>nd</sup> Prize	THE MATHS BEHIND DOBBLE	The English School Nicosia, Cyprus
2 <sup>nd</sup> Prize	MATHEMATICS, CRYPTOCURRENCIES AND STOCKS	The English School Nicosia, Cyprus
2 <sup>nd</sup> Prize	IS SUBTRACTION A LIE? LET'S DIVE INTO IT!	I.M. Panagiotopoulos School, Greece
2 <sup>nd</sup> Prize	FROM EQUATIONS TO COURTROOMS	The English School Nicosia, Cyprus
2 <sup>nd</sup> Prize	MATHEMATICS DRIVING SHOTGUN	The GC School of Careers, Nicosia, Cyprus
2 <sup>nd</sup> Prize	LOVE AND MATH	The English School Nicosia, Cyprus
3 <sup>rd</sup> Prize	CAN YOU SPIN FOREVER? THE ART OF BALLET AND MATHEMATICS	The Grammar School, Nicosia, Cyprus
3 <sup>rd</sup> Prize	READ CHANGES: ANALYSIS OF LOSING WEIGHT ON A DIET	Saint Johnsbury Academy Jeju, South Korea
3 <sup>rd</sup> Prize	WHY YOU CAN'T DEVIDE BY ZERO	SŠ Domžale, Slovenia
3 <sup>rd</sup> Prize	THE SCIENCE OF EATING	The English School Nicosia, Cyprus
3 <sup>rd</sup> Prize	IS IT RANDOM OR IS IT AN ALGORITHM?	The English School Nicosia, Cyprus
3 <sup>rd</sup> Prize	4-2-3-1	The GC School of Careers, Nicosia, Cyprus
3 <sup>rd</sup> Prize	FOOTBALL COMPLEXITY HIDDEN IN MATHEMATICS	American Academy Larnaca, Cyprus

## SCIENCE-FACTOR - Ages 9-13

Prizes	Title	Student's Name	School's Name
1 <sup>st</sup> Prize	Newton's laws of motion	Mihnea Stefan Radu	Liceul Teoretic Tudor Arghezi, Romania
1 <sup>st</sup> Prize	Kettle, once used for murdering	Nayeon Choi	St. Johnsbury Academy Jeju, South Korea
2 <sup>nd</sup> Prize	The experiment	Ingrid Barbu	Liceul Teoretic Tudor Arghezi, Romania
2 <sup>nd</sup> Prize	Birth of Earth: From big bang to our planet's genesis	Iji Jung	Daegu Samyuk Elementary School, South Korea
2 <sup>nd</sup> Prize	The high speed of aeroplanes	Stefan Bogdan Corbu	Liceul Teoretic Tudor Arghezi, Romania
3 <sup>rd</sup> Prize	Harvesting H <sub>2</sub> O: Eco-Friendly Water Recycling for Water Conservation	Jongheon Chae	St. Johnsbury Academy Jeju, South Korea
3 <sup>rd</sup> Prize	The unbreakable drop	Alexandru - Cristian Otovescu	Liceul Teoretic Tudor Arghezi, Romania
3 <sup>rd</sup> Prize	Forces on the playground	Anastasia Paun	Jacstyle Model & Talent Agencyz, Romania
3 <sup>rd</sup> Prize	Antimatter	Doyun Kim	Osung Middle School, South Korea



## SCIENCE-FACTOR - Ages 14-18

Prizes	Title	Student's Name	School's Name
1 <sup>st</sup> Prize	The Lambdoma and the Monochord of Pythagoras	Liudmyla Bakhtiarian	Pagkyprion Gymnasion, Cyprus
1 <sup>st</sup> Prize	The Role of the Diaphragm in Singing	Jacqueline Alessia Craciun	Colegiul National Elena Cuza, Romania
2 <sup>nd</sup> Prize	Galileo's pendulum	Siryra D'errico	ISIS "Europa", Italy
2 <sup>nd</sup> Prize	The God particle	Patrik Habek	Osnovna škola "Braća Radić" Koprivnica, Croatia
2 <sup>nd</sup> Prize	Virtual Reality and biosignals technology for cancer patients rehabilitation	Elpida Lazarou	Gymnasio Geriou, Cyprus
3 <sup>rd</sup> Prize	Risoto RNA	Angelos Marios Nicolaou	Pagkyprion Gymnasion, Cyprus
3 <sup>rd</sup> Prize	The History of Record Players	Natalia Impuscatu	Jacstyle Model & Talent Agency, Romania
3 <sup>rd</sup> Prize	Do you want an apple?	Fausto De Iesu	ISIS "Europa", Italy

### SCIENCE-THEATRE - Ages 9-13

Prizes	Stchool's Name	Title
1 <sup>st</sup> prize	Liceul Teoretic Tudor Arghezi, Romania	The Cure
2 <sup>nd</sup> prize	Shepherd International Education in Seoul (SIE), South Korea	I have a dream
3 <sup>rd</sup> prize	JacStyle Model&Talent Agency, Romania	Owls, the world's most enigmatic birds

### SCIENCE-THEATRE - Ages 14-18

Prizes	Stchool's Name	Title
1 <sup>st</sup> Prize	Pagkyprion Gymnasion, Cyprus	Air-Science
2 <sup>nd</sup> Prize	Colegiul National Elena Cuza and Jacstyle Model & Talent Agency, Romania	A Beating Heart ....for Music
2 <sup>nd</sup> Prize	Lyceum A' Ethnarchi Makarios III, Paphos, Cyprus	Poor Thales Becomes Rich
3 <sup>rd</sup> Prize	The GC School of Careers, Cyprus	A Tasty Twist of Science
3 <sup>rd</sup> Prize	Pagkyprion Gymnasion, Cyprus	The Battle of the Architects

## SCIENCE – POSTER COMPETITION 2024

Poster No	Prizes	School's Name	Student(s) Name(s)
SP10	1 <sup>st</sup> Prize	GC School of Careers, Cyprus	Evalena Papadopoulou
SP5	1 <sup>st</sup> Prize	Med High School, Cyprus	Dariia Khudobiak
SP41	1 <sup>st</sup> Prize	N63 and N52 Public Schools of Tbilisi, Georgia	Anastasia Matchavariani, Bagrat Kharashvili, Ani Goduadze
SP16	2 <sup>nd</sup> Prize	St. Johnsbury Academy Jeju, South Korea	Luke Chae
SP42	2 <sup>nd</sup> Prize	American College of Sofia, Bulgaria	Yoana Troeva, Svetoslav Ivanov
SP28	2 <sup>nd</sup> Prize	Liceul Teoretic Tudor Arghezi, Romania	Stefania Popescu
SP24	2 <sup>nd</sup> Prize	Osung Middle School, South Korea	Donghun Park, Hyeon Woo Kwon, DongMin Lee
SP31	2 <sup>nd</sup> Prize	Liceul Teoretic Tudor Arghezi, Romania	Elena Camelia Dumitrascu
SP13	3 <sup>rd</sup> Prize	St. Johnsbury Academy Jeju, South Korea	Jaein Ryu
SP15	3 <sup>rd</sup> Prize	St. Johnsbury Academy Jeju, South Korea	Seungbeen Lee
SP17	3 <sup>rd</sup> Prize	Osung Middle School, South Korea	Jiwan Kim, Doyun Kim
SP23	3 <sup>rd</sup> Prize	Cornerstone Collegiate Academy of Seoul, South Korea	Jeonyheon Shin
SP25	3 <sup>rd</sup> Prize	Yongsan International School of Seoul, South Korea	Chanwook Kim
SP26	3 <sup>rd</sup> Prize	Yongsan International School of Seoul, South Korea	Chanmin Kim
SP4	3 <sup>rd</sup> Prize	American College of Sofia and National Gymnasium of Natural Science, Sofia, Bulgaria	Desislava Markova, Meriem Fereva, Valeria Topalova
SP6	3 <sup>rd</sup> Prize	The Grammar School Nicosia, Cyprus	Maria Papachristou, Maria Dorzi

## SCIENCE-PRESENTATIONS INDIVIDUAL COMPETITION

PRIZES	PRESENTATION TITLE	SCHOOL'S NAME
1 <sup>st</sup> Prize	ANTIBIOTIC RESISTANCE	125th Secondary School "Boyan Penev", Sofia, Bulgaria
1 <sup>st</sup> Prize	THE AMAZING WORLD OF 3D GLASSES	The Junior & Senior School, Nicosia, Cyprus
2 <sup>nd</sup> Prize	MAKING IONISING RADIATION VISIBLE	The GC School of Careers, Nicosia, Cyprus
2 <sup>nd</sup> Prize	THE PAPER AIRPLANE IS BACK!!	Shepherd International Education, Seoul, South Korea
2 <sup>nd</sup> Prize	HOW DO AIRPLANES FLY?	The Grammar School, Nicosia, Cyprus
2 <sup>nd</sup> Prize	SEISMIC IMPACT ON DIFFERENT BUILDING STRUCTURES	The GC School of Careers, Nicosia, Cyprus
3 <sup>rd</sup> Prize	WHAT LIFE LOOKS LIKE IN DIFFERENT BIOMES	Med High Private English School, Larnaca, Cyprus
3 <sup>rd</sup> Prize	HOW TO FIND WHICH BASKETBALL PLAYER CAN GO PRO?	Pierce – The American College of Greece, Athens, Greece
3 <sup>rd</sup> Prize	AUSSIE AIRWAVES: RIDING THE PHYSICS WAVE OF BOOMERANG FLIGHT	The Grammar School, Nicosia, Cyprus
3 <sup>rd</sup> Prize	MUNCHAUSEN BY PROXY	Med High Private English School, Larnaca, Cyprus

## SCIENCE-PRESENTATIONS GROUP COMPETITION

PRIZES	PRESENTATION TITLE	SCHOOL'S NAME
1 <sup>st</sup> Prize	UNRAVELING THE AERODYNAMICS OF PAPER AIRPLANES	The GC School of Careers, Nicosia, Cyprus
1 <sup>st</sup> Prize	UNVEIL THE SECRETS OF SCIENCE TOWARDS A BETTER FUTURE	The GC School of Careers, Nicosia, Cyprus
1 <sup>st</sup> Prize	UNLEASHING POSSIBILITIES: OUR ROBOTIC ARM PROJECT	I.M. Panagiotopoulos School, Greece
1 <sup>st</sup> Prize	ION THRUSTER	Pierce – The American College of Greece, Athens, Greece
1 <sup>st</sup> Prize	THE RACE AGAINST DRAG: THE ART OF PHYSICS IN FORMULA 1	American College of Sofia, Bulgaria, National Gymnasium of Natural Sciences and Mathematics "Academician Lyubomir Chakalov, Bulgaria
1 <sup>st</sup> Prize	UNLEASHING POSSIBILITIES: OUR SCHOOL VOICE ASSISTANT	I.M. Panagiotopoulos School, Greece
2 <sup>nd</sup> Prize	UNRAVELLING THE MYSTERIES OF STEM CELLS	Med High Private English School, Larnaca, Cyprus
2 <sup>nd</sup> Prize	A JOURNEY BEYOND: A ROCKETS FLIGHT TO OUTER SPACE	The Grammar School, Nicosia, Cyprus
2 <sup>nd</sup> Prize	UNEXPECTED TRAVELER: VIRUS. GLOBAL WARMING ALLOWS VIRUSES TO GO ANYWHERE AT ANY TIME	St. Johnsbury Academy Jeju, South Korea
2 <sup>nd</sup> Prize	CENTER OF MASS OF IRREGULAR POLYHEDRA	125th Secondary School "Boyan Penev", Sofia, Bulgaria
2 <sup>nd</sup> Prize	LOAD SIMULATION ANALYSIS ON VEHICLE-BRIDGE INTERACTION PARAMETERS FOR DYNAMIC AMPLIFICATION AND BEAM BRIDGE PERFORMANCE	American College of Sofia, Bulgaria
2 <sup>nd</sup> Prize	BREAK IT DOWN & RECONSTRUCT IT	The Senior School, Nicosia, Cyprus
2 <sup>nd</sup> Prize	THE EFFECT OF CLIMATE CHANGE ON GEORGIAN REGIONS	American International School Progress, Tbilisi, Georgia
3 <sup>rd</sup> Prize	DARK ENERGY AND DARK MATTER	O-sung Middle School, South Korea
3 <sup>rd</sup> Prize	DISCOVERY AND STUDY OF SOME BENEFICIAL BACTERIA AND FUNGI IN DAMBALKHACHO (MOLDY CHEESE)	№63 Public School, Georgia
3 <sup>rd</sup> Prize	THE STUDY OF EARTH'S MAGNETIC FIELD: IT'S PROPERTIES AND IT'S LINK TO MIGRATION	The Grammar School, Nicosia, Cyprus
3 <sup>rd</sup> Prize	TIME TRAVELLING	The Senior School, Nicosia, Cyprus
3 <sup>rd</sup> Prize	THE HEARTBEAT-CLOCK CONNECTION	Med High Private English School, Larnaca, Cyprus
3 <sup>rd</sup> Prize	UNLOCK LUCIDITY: A GATEWAY TO DREAM CONTROL	The Grammar School, Nicosia, Cyprus
3 <sup>rd</sup> Prize	TASTING MOLECULES	The GC School of Careers, Nicosia, Cyprus